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ABSTRACT

The objectives of this directory are to provide information which will strengthen regional and international cooperation and research in the field of science and technology education, and to promote greater exchange of ideas and information using new information technologies between institutions. This directory is the first issue of the computerized data base concerning the International Network for Information in Science and Technology Education (INISTE). The entries are listed alphabetically by name under the country of location (also in alphabetical order), while the international and regional organizations are listed alphabetically by name. Three indexes are provided: an index of main activities; another for institutions and organizations; and a third for contacts. Also, two different lists are given: one of acronyms and abbreviations for INISTE members, and another for additional acronyms and abbreviations given by member institutions. Appended is a copy of the questionnaire, in both English and French, sent to INISTE members and used to elicit data for this directory. (KR)

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SE051853

of the international network
for information
in science and technology
education

du réseau international
d'information
concernant l'enseignement
des sciences et de la technologie

INISTE

Directory
of the international network
for information
in science and technology
education

Répertoire
du réseau international
d'information
concernant l'enseignement
des sciences et de la technologie

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Unesco, Paris 1989
Division of Science, Technical
and Environmental Education

ED-89/WS-91

Preface

The present Directory is the first issue of the computerized data base concerning the International Network for Information in Science and Technology Education (INISTE). The purpose of the Network is to promote the exchange of information and stimulate co-operation among national institutions of Member States and the international and regional organization actively engaged in the improvement of science and technology education, particularly with reference to primary and secondary schools and related teacher training, as well as to out-of-school scientific activities for young people. The objective of this Directory is to mainly provide information which will strengthen regional and international co-operation and research in the field of science and technology education, and to promote greater exchange of ideas and information using new information technologies between institutions.

A questionnaire was sent to INISTE members and the present volume is the collection of this data. As the information received needed to be computerized, some modifications have been made to the original questionnaire form. Texts have been reduced to a list of descriptors or key-words and phrases, but the terms of the original records have been preserved as far as possible. The full list of entry headings (p. 9) gives the structure of the data base related to the questionnaire.

For technical reasons, it is not possible to present the data elements for each record in a language other than English. To assist non-English users, however, the preface, contents, list of countries and data categories are printed in French as well.

The entries are listed alphabetically by name under the country of location also in alphabetical order, while the international and regional organizations are listed alphabetically by name. Three indexes are provided: an index of main activities; another for institutions and organizations; and a third for contacts. Also, two different lists are given: one of acronyms and abbreviations for INISTE members, and another for additional acronyms and abbreviations given by member institutions. In order to improve the coverage of this Directory, it is planned to periodically update it every two or three years, and to incorporate new members. It is also evident that in a compilation of this scope and nature, errors and inaccuracies are bound to occur. It will be appreciated if corrections and new entries are brought to the notice of the INISTE Secretariat. As a matter of convenience, the questionnaire used (in English and French) for the collection of data (p. 135) could be filled in and sent to:

The INISTE Secretariat,
Unesco,
Division of Science, Technical and
Environmental Education,
7, place de Fontenoy,
75700-Paris, France.
Fax: 33-1-40-65-94-05.

Préface

Le présent Répertoire est la première publication de la base de données informatisées du Réseau international d'information concernant l'enseignement des sciences et de la technologie (INISTE). Ce réseau a pour objet de promouvoir l'échange d'information et de favoriser la coopération entre les institutions nationales des Etats Membres et les organisations internationales et régionales qui travaillent activement à l'amélioration de l'enseignement des sciences et de la technologie, en particulier en ce qui concerne les établissements d'enseignement primaire et secondaire et la formation de leurs enseignants, ainsi que les activités scientifiques extrascolaires organisées à l'intention des jeunes. Le Répertoire vise principalement à fournir des renseignements propres à renforcer la coopération et la recherche régionales et internationales dans le domaine de l'enseignement des sciences et de la technologie; il vise aussi à encourager les institutions à procéder à un plus large échange d'idées et d'information en utilisant les technologies nouvelles de l'information.

Un questionnaire envoyé aux membres de l'INISTE a permis de recueillir les données qui sont regroupées dans le présent volume. Comme l'information reçue devait être mise sur support informatique, quelques modifications ont été apportées au questionnaire initial. Certains textes ont été réduits à une liste de descripteurs ou de mots et groupes de mots clés, mais les termes des enregistrements initiaux ont été conservés autant que possible. La liste des rubriques (p.9) donne la structure de la base de données relative au questionnaire.

Pour des raisons techniques, il n'a pas été possible de présenter les éléments de chaque enregistrement dans une langue autre que l'anglais. Toutefois, pour la commodité des utilisateurs non anglophones, la présente préface, la table des matières, la liste des pays et les catégories de données sont également rédigés en français.

Les notices sont classés par ordre alphabétique sous le nom du pays où se trouvent les services en question, les pays étant eux-mêmes énumérés dans l'ordre alphabétique. Les organisations internationales et régionales sont elles aussi classées par ordre alphabétique. L'ouvrage contient trois index : un index des activités principales, un index des institutions et organisations, et un index des correspondants. Il contient aussi deux listes : la liste des sigles et abréviations des membres de l'INISTE et la liste des sigles et abréviations supplémentaires fournis par les institutions membres afin que le Répertoire soit aussi complet que possible. Il est prévu de le mettre à jour périodiquement, tous les deux ou trois ans, et d'y ajouter les nouveaux membres. De toute évidence, une compilation de cette envergure et de cette nature ne peut être exempt d'erreurs ou d'inexactitudes. Le Secrétariat de l'INISTE apprécierait en conséquence toute correction et toute nouvelle notice. A cette fin, le questionnaire utilisé (en anglais et en français) pour la collecte des données (p.135) pourra être rempli et retourné à l'adresse suivante :

Secrétariat de l'INISTE
UNESCO
Division de l'enseignement des sciences,
de l'enseignement technique et de
l'éducation concernant l'environnement
7, place de Fontenoy
75700 Paris, France
Facsimile : 33-1-40-65-94-05.

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Asia-Pacific Physics Teachers and Educators Association (APPTEA) (00002)
Asian Association for Biology Education (AABE) (00003)
Asian Physics Education Network (ASPEN) (00004)
Centre International Francophone pour l'Education en Chimie (CIFEC) (00005)
Centro Latino Americano de Física (CLAF) (00006)
Commonwealth Secretariat (COMSEC) (00007)
Forum of African Science Educators (FASE) (00008)
Groupe International de Recherche sur l'Enseignement de la Physique (GIREP) (00009)
Gulf Arab States Educational Research Center (GASERC) (00010)
Inter-American Commission on Mathematical Education (IACME) (00011)
International Co-ordinating Committee for Presentation of Science and Development of Out-of-school Scientific Activities (ICC) (00012)
International Council of Associations for Science Education (ICASE) (00013)
International Council of Scientific Unions - Committee on Teaching of Science (ICSU-CTS) (00014)
International Organization for Science and Technology Education (IOSTE) (00015)
International Union of Biological Sciences - Commission for Biological Education (IUBS-CBE) (00016)
International Union of Pure and Applied Physics-International Commission on Physics Education (IUPAP-ICPE) (00017)
International Unit on Pure and Applied Chemistry - Committee on Teaching of Chemistry (IUPAC-CTC) (00018)
SEAMEO-Regional Centre for Educational Innovation and Technology (INNOTECH) (00019)
South-East Asian Ministers of Education Organization - Regional Centre for Education in Science and Mathematics (SEAMEO-RECSAM) (00020)
South-East Asian Mathematical Society (SEAMS) (00021)
The International Commission on Mathematical Instruction (ICMI) (00022)
Union Arabe des Clubs Scientifiques pour Jeunes (UACSJ) (00023)

Full list of entry headings / Liste complète des rubriques

ENTRY NUMBER
NAME OF INSTITUTION: ....
ACRONYM: ....
ADDRESS: ....
TELEX/TELEPHONE: ....; FAX: ....
MAILBOX/MESSAGERIE: ....
CONTACT: ....
TYPE OF INSTITUTION: ....
GEOGRAPHICAL COVERAGE: ....
CREATED: ....; SIZE OF STAFF: Total: .... ; Professionals: ....
UNESCO WORKING LANGUAGE(S): ....
ADDITIONAL WORKING LANGUAGE(S): ....
LINKS TO BROADER SYSTEM OR NETWORK: ....
ACTIVITIES UNDERTAKEN: ....
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: ....
PUBLICATIONS: DOCUMENTS
    BOOKS : ....
    PERIODICALS AND/OR NEWSLETTERS: ....
ORGANIZATION OF MEETINGS: ....
DATA PROCESSING: SOFTWARE: ....
    HARDWARE: ....
ADDITIONAL INFORMATION (including future projects and international co-operation): ....

Entries by international and regional organization/ Notices par organisation internationale et régionale

00001
NAME OF INSTITUTION: African Commission on Mathematics Education (ACME)
CONTACT: Dr. G. Eshiwani, Secretary-General
ADDRESS: Bureau of Educational Research, Kenyatta University College,
P.O.Box 42844, Nairobi
Kenya
TELEPHONE: (254) 817.356
UNESCO WORKING LANGUAGE(S): English

00002
NAME OF INSTITUTION: Asia-Pacific Physics Teachers and Educators Association (APPTEA)
CONTACT: Dr. Vivien M. Talisayon, President
ADDRESS: Institute for Science and Mathematics Education Development,
University of Philippines, Diliman, Quezon City
Philippines, the/Philippines, les
TELEPHONE: (63-2) 984279, 993545
GEOGRAPHICAL COVERAGE: regional
CREATED: 1986
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: ICASE
ACTIVITIES UNDERTAKEN: physics education; software development (physics); curriculum development/design (physics, technology); development of teaching-learning materials (teachers' guides); evaluation activities (curricular analysis); science and society; science education for rural areas
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: APTEA Newsletter
ORGANIZATION OF MEETINGS: international
ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation requested to prepare a directory of regional and international funding agencies, for science and technology education projects/activities, with priority areas clearly defined.

00003
NAME OF INSTITUTION: Asian Association for Biology Education (AABE)
CONTACT: Ms. Lucille Gregorio, Science Ed. Specialist
ADDRESS: c/o Institute for Science and Maths Education (ISMED),
University of the Philippines, Diliman, Quezon City
Philippines, the/Philippines, les
TELEPHONE: (63) 987156
GEOGRAPHICAL COVERAGE: regional
CREATED: 1965; STAFF: TOTAL: 5
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: ISMED

ACTIVITIES UNDERTAKEN: biology education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (in-service)
PUBLICATIONS: BOOKS: Proceedings
ORGANIZATION OF MEETINGS: international, regional

00004
NAME OF INSTITUTION: Asian Physics Education Network (ASPEN)
CONTACT: Dr. Vivien M. Talisayon, Executive Secretary
ADDRESS: Institute for Science and Mathematics Education Development,
University of Philippines, Diliman, Quezon City
Philippines, the/Philippines, les
TELEPHONE: (63-2) 984276, 993545
GEOGRAPHICAL COVERAGE: regional
CREATED: 1981
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: physics education; computer assisted science education (physics); software development (physics); curriculum development/design (physics); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (curricular analysis); development of equipment; documentation services; school-industry; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers; education policy planners; university teaching staff in physics
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: ASPEN News Briefs
ORGANIZATION OF MEETINGS: international
DATA PROCESSING: HARDWARE: IBM-PC compatibles
SOFTWARE: Statistical packages
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on regional activities on computers for teaching; low-cost equipment; modernization of curricula.

00005
NAME OF INSTITUTION: Centre International Francophone pour l'Education en Chimie (CIFEC)
CONTACT: Prof. Danièle Cross, Director
ADDRESS: Université des Sciences et Techniques du Languedoc, Place
Eugène Bataillon, Case 016, 34060 Montpellier Cedex
France
TELEPHONE: (33-67) 542944; FAX: (67) 540920
TELEX/CABLE: USTMONT 490944 F
GEOGRAPHICAL COVERAGE: French-speaking countries
CREATED: 1985; STAFF: TOTAL: 15
UNESCO WORKING LANGUAGE(S): French
LINKS TO BROADER SYSTEM OR NETWORK: INCE
ACTIVITIES UNDERTAKEN: chemistry education; integrated science education; technology education; development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (programme, research, test); out-of-school activities (olympiads); development of equipment; documentation services; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Bulletin du CIFEC
ORGANIZATION OF MEETINGS: national, international, regional
DATA PROCESSING: HARDWARE: IBM
ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation is requested for teacher training, evaluation, textbooks, production of low-cost materials.

00006
NAME OF INSTITUTION: Centro Latino Americano de Fisica (CLAF)
CONTACT: Ms. Micheline Nussenzveig, Director's Assistant
ADDRESS: Avenida Wenceslau Bráz, 71, 22290 Rio de Janeiro - RJ
Brazil/Bresil
TELEPHONE: (55-21) 2955096, 2955145
TELEX/CABLE: 2122563 CBPQ BR/CELAFI
GEOGRAPHICAL COVERAGE: Latin America
CREATED: 1962; STAFF: TOTAL: 10; PROFESSIONALS: 2
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): Portuguese
ACTIVITIES UNDERTAKEN: physics education
ORGANIZATION OF MEETINGS: regional
ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation is requested to strengthen ties in physics between Latin American countries on basic and applied physics and to organize visiting professorships and meetings.

00007
NAME OF INSTITUTION: Commonwealth Secretariat (COMSEC)
CONTACT: Mr. Emmanuel Apea, Chief Project Officer
ADDRESS: Marlborough House, Pall Mall, London SW1
United Kingdom/Royaume-Uni
TELEPHONE: (44-1) 8393411; FAX: 01-9300827
TELEX/CABLE: 27678/COMSEGEN, LONDON
GEOGRAPHICAL COVERAGE: Commonwealth - 48 nations spread across
CREATED: 1965; STAFF: TOTAL: 400; PROFESSIONALS: 350
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: computer assisted science education (biology, chemistry, integrated science, mathematics, physics, technology); development of teaching-learning materials (teachers' guides); out-of-school activities (popularisation of science and technology); special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; teacher educators.
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: international, regional

ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on materials for primary science teachers; participation of girls in science, mathematics and technology education; information technology and science, technology and mathematics education.
International co-operation requested for the project "Women in Science and Technology in the Asian Region (WISTAR)"

00008
NAME OF INSTITUTION: Forum of African Science Educators (FASE)
CONTACT: Mr. Thomas Varghese, Secretary General
ADDRESS: P.O. Box 21921, Kitwe
Zambia/Zambie
TELEPHONE: (260-2) 214694
GEOGRAPHICAL COVERAGE: African continent
CREATED: 1982
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: ICASE
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; nutrition education; physics education; technology education; out-of-school activities (science clubs, science fairs); development of equipment; school-industry; science and society; science education for rural areas; special science programmes for girls/women
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: FASE Newsletter; FASE Conference Reports
ORGANIZATION OF MEETINGS: international
DATA PROCESSING: HARDWARE: BBC, AMSTRAD

00009
NAME OF INSTITUTION: Groupe International de Recherche sur l'Enseignement de la Physique (GIREP)
CONTACT: Pr. Paul Black, President
ADDRESS: Centre for Educational Studies, University of London, 552 Kings Road, London, SW10 OUA
United Kingdom/Royaume-Uni
TELEPHONE: (44-1) 8365454
UNESCO WORKING LANGUAGE(S): English

00010
NAME OF INSTITUTION: Gulf Arab States Educational Research Center (GASERC)
CONTACT: Mr. Mohamed Al Sane, Director
ADDRESS: P.O. Box 25566, 13116 Safat
Kuwait/Koweit
TELEPHONE: (965) 4830766, 4830428
TELEX/CABLE: 44118 SADAD KT
GEOGRAPHICAL COVERAGE: Gulf States
CREATED: 1978; STAFF: TOTAL: 30; PROFESSIONALS: 10
UNESCO WORKING LANGUAGE(S): Arabic, English

ACTIVITIES UNDERTAKEN: integrated science education; mathematics education; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national

00011
NAME OF INSTITUTION: Inter-American Commission on Mathematical Education (IACME)
CONTACT: Dr. Eduardo Luna Ramia, President
ADDRESS: Centro de Investigaciones, P.O.Box 822, 1524 Santiago de los Caballeros
Dominican Republic, the/République dominicaine
TELEPHONE: (1-809) 583.0441
UNESCO WORKING LANGUAGE(S): English, Spanish

00012
NAME OF INSTITUTION: International Co-ordinating Committee for Presentation of Science and Development of Out-of-school Scientific Activities (ICC)
CONTACT: Mr. R. Otthiers
ADDRESS: Place Pierre Benoît 2, B-1120 Bruxelles Brabant
Belgium/Belgique
TELEPHONE: (32-2) 2683787
UNESCO WORKING LANGUAGE(S): English, French

00013
NAME OF INSTITUTION: International Council of Associations for Science Education (ICASE)
CONTACT: Dr. Jack Holbrook, Executive Secretary
ADDRESS: Department of Professional Studies in Education, University of Hong Kong
Hong Kong
TELEPHONE: (852-5) 8592536
TELEX/CABLE: 71919 CEREB HX; MAILBOX: Bit Net address: kkucs!kkucc!nrasjbh@uunet.uu.net
GEOGRAPHICAL COVERAGE: worldwide
CREATED: 1973
UNESCO WORKING LANGUAGE(S): English, French, Spanish
LINKS TO BROADER SYSTEM OR NETWORK: ICSU-CTS
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (integrated science); curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); evaluation activities (curricular analysis); out-of-school activities (olympiads, popularisation of science and technology, science clubs, science contests, science fairs, science museums); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations; teacher trainers, members of science centres, curric. developers

PUBLICATIONS: BOOKS: Yearbook; Commemorative issues on various subjects
PERIODICALS AND/OR NEWSLETTERS: ICASE Newsletter

ORGANIZATION OF MEETINGS: international, regional

DATA PROCESSING: HARDWARE: IBM compatible
SOFTWARE: dBase III+

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed on in-service courses for teachers; comunication between teachers' associations; regional symposia in Europe, Asia, North America and Caribbean.

International co-operation requested for electronic dissemination of information; popularisation of science and technology; development of teacher materials; links between primary and secondary science education.

00014

NAME OF INSTITUTION: International Council of Scientific Unions - Committee on Teaching of Science (ICSU-CTS)

CONTACT: Prof. D.J. Waddington, Secretary

ADDRESS: Department of Chemistry, University of York, Heslington;
York YO1 5DD
United Kingdom/Royaume-Uni

TELEPHONE: (44-904) 432500; FAX: 0904 410519

TELEX/CABLE: 57933 YOKUL

GEOGRAPHICAL COVERAGE: worldwide

UNESCO WORKING LANGUAGE(S): English

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; development of teaching-learning materials (teachers' guides); development of equipment; school-industry; science and society; science education for rural areas; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers; education policy planners; science teachers' associations

PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: International Newsletter on Science Technician Training

ORGANIZATION OF MEETINGS: international

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed for: public understanding of science programmes - in particular in collaboration with major ICSU programmes such as IBGP (Global Change) and International Space Year; laboratory equipment for senior secondary school, college and university science teaching; bases for curricula in secondary schools, colleges and universities; curricula, in collaboration with Unesco, for university science courses.

00015
NAME OF INSTITUTION: International Organization for Science and
Technology Education (IOSTE)
CONTACT: Mr. J. van Trommel, Secretary
ADDRESS: P.O. Box 2041, NL-7500 CA Enschede
Netherlands, the/Pays-Bas, les
TELEPHONE: (31-53) 840840
TELEX/CABLE: NL 72244 (SLO)
GEOGRAPHICAL COVERAGE: worldwide
UNESCO WORKING LANGUAGE(S): English
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); science teachers' associations
PUBLICATIONS: BOOKS: Symposium Proceedings
PERIODICALS AND/OR NEWSLETTERS: IOSTE-Newsletter
ORGANIZATION OF MEETINGS: international
DATA PROCESSING: HARDWARE: IBM (compatible)

00016
NAME OF INSTITUTION: International Union of Biological Sciences - Commission for Biological Education (IUBS-CBE)
CONTACT: Dr. Gerhard Schaefer, Professor
ADDRESS: Faculty of Education; Inst. 9; University of Hamburg, von-Miller Park 8, D-2000 Hamburg 13
Germany, Federal Republic of/Allemagne, République féderale d'
TELEPHONE: (49-40) 4123-2168 /2167
GEOGRAPHICAL COVERAGE: worldwide
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: IUBS
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; nutrition education; computer assisted science education (biology, biotechnology); software development (biology, biotechnology); curriculum development/design (biology, biotechnology, nutrition/health); development of teaching-learning materials (teachers' guides); evaluation activities (programme, test); out-of-school activities (popularisation of science and technology, science clubs); documentation services; school-agriculture; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations; teacher trainers
PUBLICATIONS: DOCUMENTS
BOOKS: Biology and Human Welfare (UNESCO/CBE)
PERIODICALS AND/OR NEWSLETTERS: Biological Education Newsletter
ORGANIZATION OF MEETINGS: international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on biotechnology and biology education; tropical biology as a worldwide topic of biology education; biological education and future human needs.

00017
NAME OF INSTITUTION: International Union of Pure and Applied Physics-International Commission on Physics Education (IUPAP-ICPE)
CONTACT: Prof. E.L. Jossem, Chairman
ADDRESS: The Ohio State University, 174 West 18th Avenue, Columbus,
OH 4320-1106
U.S.A./Etats-Unis d'Amerique
TELEPHONE: (1-614) 422 5959/5713
UNESCO WORKING LANGUAGE(S): English

00018
NAME OF INSTITUTION: International Union on Pure and Applied Chemistry - Committee on Teaching of Chemistry (IUPAC-CTC)
CONTACT: Prof. Maurice Chastrette, Chairman
ADDRESS: Institut de Chimie; 43 Bd. du 11 Novembre 1918, 69622
Villeurbanne
France
TELEPHONE: (33-78) 898124
TELEX/CABLE: 310810 BUSLYON
GEOGRAPHICAL COVERAGE: worldwide
UNESCO WORKING LANGUAGE(S): English, French
LINKS TO BROADER SYSTEM OR NETWORK: ICSU
ACTIVITIES UNDERTAKEN: chemistry education; integrated science education; development of teaching-learning materials (teachers' guides); out-of-school activities (olympiads); development of equipment; school-industry; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students: teachers (pre-service); teachers (in-service); technicians; youth out-of-school; science teachers' associations
PUBLICATIONS: BOOKS: New Trends in Chemistry Teaching
PERIODICALS AND/OR NEWSLETTERS: International Newsletter on Chemical Education
ORGANIZATION OF MEETINGS: international, regional
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for producing low-cost materials; workshops for teacher training-guides for teachers on chemical research topics; co-operation with biology and physics associations.

00019
NAME OF INSTITUTION: SEAMEO-Regional Centre for Educational Innovation and Technology (INNOTECH)
CONTACT: Mr. Orlino S. Palacpac, Clearinghouse and Information Officer
ADDRESS: Don Mariano Marcos Avenue, P.O.Box 207, U.P., Diliman,
Quezon City
Philippines, the/Philippines, les
TELEPHONE: (63-2) 982591, 962124, 991241
TELEX/CABLE: INNOTECH Manila
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: south-east Asia
CREATED: 1968; STAFF: TOTAL: 70
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: SEAMEO

ACTIVITIES UNDERTAKEN: technology education; evaluation activities
(research, training); documentation services; training
activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils;
secondary education pupils; post-secondary students;
teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; educational
administrators
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: INNOTECH Newsletter
ORGANIZATION OF MEETINGS: international
DATA PROCESSING: HARDWARE: Microcomputers
ADDITIONAL INFORMATION (including future projects and international
co-operation):
Projects to be developed on training programmes for villagers
(life-skills) and on computer education.

00020
NAME OF INSTITUTION: South-East Asian Ministers of Education Organization -
Regional Centre for Education in Science and Mathematics
(SEAMEO-RECSAM)
CONTACT: Mr. Poon Poh Kong, Director
ADDRESS: Glugor, Penang 11700
Malaysia/Malaisie
TELEPHONE: (60-4) 883266/7
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: regional
STAFF: TOTAL: 117; PROFESSIONALS: 28
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: SEAMEO
ACTIVITIES UNDERTAKEN: biology education; biotechnology education;
chemistry education; integrated science education;
mathematics education; nutrition education; physics
education; technology education; development of teaching-learning materials (audio-visual, pupil materials, teachers'
guides); evaluation activities (programme, test); out-of-school activities (olympiads); development of equipment;
documentation services; school-agriculture; school-industry;
science and society; science education for rural areas;
training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (in-service);
researchers; education policy planners; curriculum
developers and educators.
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Journal of Science and
Mathematics Education in South-east Asia;;
RECSAM Newsletter
ORGANIZATION OF MEETINGS: international, regional
DATA PROCESSING: HARDWARE: IBM, Apple, NEC
ADDITIONAL INFORMATION (including future projects and international
co-operation):
Projects to be developed on teacher-training in science and
mathematics education.
International co-operation requested on exchange of information.

00021
NAME OF INSTITUTION: South-East Asian Mathematical Society (SEAMS)
CONTACT: Prof. C.K. Lim
ADDRESS: Department of Mathematics, University of Malaya, 59100 Kuala
Lumpur
Malaysia/Malaisie
TELEX/CABLE: MA 39845
GEOGRAPHICAL COVERAGE: south-east Asia
CREATED: 1972
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: mathematics education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (pre-service); teachers (in-service); researchers
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: South-east Asian Bulletin of Mathematics; World Scientific Publications; Newsletter.
ORGANIZATION OF MEETINGS: international, regional
ADDITIONAL INFORMATION (including future projects and international co-operation):
Organization of workshops, seminars and conferences on mathematics.

00022
NAME OF INSTITUTION: The International Commission on Mathematical Instruction (ICMI)
CONTACT: Prof. A.G. Howson
ADDRESS: Centre for Mathematics Education, The University of
Southampton, GB - Southampton SO9 5NH
United Kingdom/Royaume-Uni
TELEPHONE: (44-703) 559122
TELEX/CABLE: 47661
GEOGRAPHICAL COVERAGE: worldwide
UNESCO WORKING LANGUAGE(S): English, French
LINKS TO BROADER SYSTEM OR NETWORK: IMU
ACTIVITIES UNDERTAKEN: mathematics education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; education policy planners; science teachers' associations
PUBLICATIONS: BOOKS: ICMI Study Series
PERIODICALS AND/OR NEWSLETTERS: ICMI Bulletin
ORGANIZATION OF MEETINGS: international, regional

00023
NAME OF INSTITUTION: Union Arabe des Clubs Scientifiques pour Jeunes (UACSJ)
CONTACT: Mr. Abdelhamid Fekih, Secretary-General
ADDRESS: 105, avenue de la Liberté, Code postal 1002, Tunis
Tunisia/Tunisie
TELEPHONE: (216-1) 785782
TYPE OF INSTITUTION: advisory to ministry
GEOGRAPHICAL COVERAGE: Arab States
CREATED: 1979
UNESCO WORKING LANGUAGE(S): Arabic, English, French

ACTIVITIES UNDERTAKEN: out-of school activities (sciece clubs, science fairs)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: youth out-of-school
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Bulletin de liaison
ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to develop the organization of science summer camps for Arab States on natural sciences, informatics, astronomy, energy and electronics.
International co-operation requested for the exchange of information between other out-of-school organizations and institutions.

Entries by country/ Notices par pays

Afghanistan/Afghanistan

00024
NAME OF INSTITUTION: National Science and Audio-Visual Centre
CONTACT: Mr. A.M. Amaj, *President*
ADDRESS: Kabul
TELEPHONE: (93) 40007
UNESCO WORKING LANGUAGE(S): Arabic, English

Angola/Angola

00025
NAME OF INSTITUTION: Centro de Investigaçao Pedagógica
CONTACT: Mr. Domingos Peterson
ADDRESS: Ministerio de Educaçao, Caixa Postal 1281, Luanda
TELEPHONE: (244-2) 322651
UNESCO WORKING LANGUAGE(S): French, Spanish

Argentina/Argentine

00026
NAME OF INSTITUTION: Concejo Nacional de Educación Técnica (CONET)
CONTACT: Prof. Juan José Daru
ADDRESS: Avda. Independencia 2625, 1225 Buenos Aires
TELEPHONE: (54-1) 93.5031/5038, 93.6517
UNESCO WORKING LANGUAGE(S): Spanish

Australia/Australie

00027
NAME OF INSTITUTION: Australian Science Education Research Association (ASERA)
CONTACT: Prof. R. Tisher, Professor of Education
ADDRESS: Faculty of Education, Monash University, Melbourne 3168
TELEPHONE: (61-3) 5652849
TYPE OF INSTITUTION: research; university
GEOGRAPHICAL COVERAGE: national
CREATED: 1971; STAFF: TOTAL: 4; PROFESSIONALS: 3
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: ASTA
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; nutrition education; physics education; out-of-school activities (science museums)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; science teachers' associations; research groups

PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Research in Science Education
ORGANIZATION OF MEETINGS: national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on research and evaluation in science education.

00028
NAME OF INSTITUTION: Australian Science Teachers' Association (ASTA)
CONTACT: Ms. Ruth Dircks, President
ADDRESS: Alison Heights, Dungog NSW 2420
TELEPHONE: (61-49) 921247; FAX: 49 921 295
GEOGRAPHICAL COVERAGE: national
CREATED: 1952; STAFF: TOTAL: 2; PROFESSIONALS: 3
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: ICASE, FASTS
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; physics education; development of teaching-learning materials (teachers' guides); out-of-school activities (science clubs, science contests); documentation services
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Australian Science in Schools Week; Resource Book
PERIODICALS AND/OR NEWSLETTERS: Australian Science Teachers Journal; Investigating - Australian Primary Science Journal
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: IBM, Macintosh
SOFTWARE: Lotus, Pagemaker, Word 3, Multimate, Advantage 2

00029
NAME OF INSTITUTION: Science and Mathematics Education Centre (SMEC)
CONTACT: Prof. B.J. Fraser, Director
ADDRESS: Curtin University of Technology, Bentley WA 6102
TELEPHONE: (61-9) 3507896
TELEX/CABLE: AA92983
GEOGRAPHICAL COVERAGE: western Australia
CREATED: 1979; STAFF: TOTAL: 6; PROFESSIONALS: 5
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; curriculum development/design (chemistry, physics); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (curricular analysis)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (in-service); researchers; science teachers' associations

PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Science and Mathematics Education Newsletter
ORGANIZATION OF MEETINGS: local, national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed in science, mathematics and technology, particularly for women; research and dissemination of the findings.

Austria/Autriche

00030
NAME OF INSTITUTION: Bundesministerium für Unterricht, Kunst und Sport
CONTACT: Ms. Hermine Dobrozemsky, Director
ADDRESS: Minoritenplatz 5, A-1014 Wien
TELEPHONE: (43-222) 53120/4336
GEOGRAPHICAL COVERAGE: national
CREATED: 1945; STAFF: TOTAL: 750; PROFESSIONALS: 350
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): German
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (mathematics, physics); curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (audio-visual); out-of-school activities (olympiads); development of equipment; documentation services; science and society
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (pre-service); teachers (in-service); science teachers' associations
PUBLICATIONS: BOOKS: Lehrplan der AHS (vollständige Ausgabe); Lehrplanservice; ÖBV Wien
ORGANIZATION OF MEETINGS: local, national

Bahrain/Bahrain

00031
NAME OF INSTITUTION: Ministry of Education Curriculum Department (MECD)
CONTACT: Dr. Ebrahim Y. Al-Abdullah, Director
ADDRESS: P.O. Box 43, Manama
TELEPHONE: (973) 244019; FAX: (973) 272252
TELEX/CABLE: TARBIA-BN 9094
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 200; PROFESSIONALS: 150
UNESCO WORKING LANGUAGE(S): Arabic, English

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; technology education; out-of-school activities (olympiads, popularisation of science and technology, science clubs, science fairs, science museums); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; adult education
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international

Bangladesh/Bangladesh

00032
NAME OF INSTITUTION: National Institute of Educational Administration (NIEAER)
CONTACT: Dr. M.N. Haq
ADDRESS: Dhamondi, Dhaka, 5
TELEPHONE: (880) 507.591/285/218/216
UNESCO WORKING LANGUAGE(S): English

Barbados/Barbade

00033
NAME OF INSTITUTION: Ministry of Education and Culture
CONTACT: Permanent Secretary
ADDRESS: Jemmotts Lane, St. Michael
TELEPHONE: (1-809) 427 3272
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 150; PROFESSIONALS: 30
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of equipment; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS

Belgium/Belgique

00034
NAME OF INSTITUTION: Organisation des Etudes
CONTACT: Mr. Georges Verloove, Inspector
ADDRESS: boulevard Pachéco, 34, B-1000 Bruxelles
TELEPHONE: (32-2) 2194580
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 90
UNESCO WORKING LANGUAGE(S): French
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; physics education; technology education; software development (nutrition/health); training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service)
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Revue
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: IBM Mainframe, IBM-PC
SOFTWARE: Stairs

00035
NAME OF INSTITUTION: Rijksnormaalschool Hoger Pedagogisch Instituut (Ecole normale de l'état) (RHPI)
CONTACT: Mr. Marcel Verspeelt, Teacher
ADDRESS: K.L. Ledeganckstraat, 8, B-9000 Gent
TELEPHONE: (32-91) 221794
GEOGRAPHICAL COVERAGE: Flemish region
CREATED: 1879
UNESCO WORKING LANGUAGE(S): French
ADDITIONAL WORKING LANGUAGE(S): Dutch
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; documentation services; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service)
PUBLICATIONS: BOOKS: Media- en computerkunde.
DATA PROCESSING: HARDWARE: IBM-PC/AT compatible.
SOFTWARE: dBase III+
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for audio-visual media in primary and secondary education.

00036
NAME OF INSTITUTION: Vereiniging van Leraars in de Wetenschappen (VELEWE)
CONTACT: Mr. Julien Verstraete, President
ADDRESS: G. De Schepperstraat 72 C, 9440 Erembodegem
TELEPHONE: (32-53) 218360
GEOGRAPHICAL COVERAGE: national
CREATED: 1953
UNESCO WORKING LANGUAGE(S): French
ADDITIONAL WORKING LANGUAGE(S): Dutch

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; physics education; out-of-school activities (olympiads)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary-education pupils; post-secondary students; teachers (pre-service); teachers (in-service); education policy planners
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Tÿdschrift Velewe
ORGANIZATION OF MEETINGS: regional

Belize/Belize

00037
NAME OF INSTITUTION: University College of Belize (UCB)
CONTACT: Mr. George Walker, Vice-president
ADDRESS: P.O.Box 990, Princess Margaret Drive, Belize City
TELEPHONE: (501) 45863
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: national
CREATED: 1986; STAFF: TOTAL: 30; PROFESSIONALS: 30
UNESCO WORKING LANGUAGE(S): English, Spanish
ADDITIONAL WORKING LANGUAGE(S): Creole
ACTIVITIES UNDERTAKEN: integrated science education; mathematics education; nutrition education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: The Belizean: A Social Science Journal
DATA PROCESSING: HARDWARE: Tandy 3000
SOFTWARE: Ventura desktop publishing, Wordperfect, Framework II
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on environmental, marine and tropical science.

Benin/Bénin

00038
NAME OF INSTITUTION: Institut National pour la Formation et la Recherche en Education (INFRE)
CONTACT: Dr. Moubachirou Gbadamassi, Director
ADDRESS: BP 200, Porto Novo
TELEPHONE: (22-9) 212926, 213447
GEOGRAPHICAL COVERAGE: national
CREATED: 1975; STAFF: TOTAL: 140
UNESCO WORKING LANGUAGE(S): French
LINKS TO BROADER SYSTEM OR NETWORK: MEMS

ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; curriculum development/design (biology, chemistry, mathematics, nutrition/health, physics); development of teaching-learning materials (pupil materials, teachers' guides); development of equipment; documentatión services; school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS
BOOKS: Manuels scolaires
PERIODICALS AND/OR NEWSLETTERS: Education Beninoise; Revue de Presse; Bulletin de Liaison
ORGANIZATION OF MEETINGS: national, international, regional

Bolivia/Bolivie

00039
NAME OF INSTITUTION: Centro de Promoción e Investigación Científica y Tecnológica de Bolivia (CEPROINCT)
CONTACT: Prof. F. Cardona Rojas
ADDRESS: Av. 16 de Julio no. 1732, Casilla 5859, La Paz
TELEPHONE: (591-2) 363690, 379681
UNESCO WORKING LANGUAGE(S): Spanish

Botswana/Botswana

00040
NAME OF INSTITUTION: Department of Mathematics and Science Education (DMSE)
CONTACT: Dr. B. Okatch
ADDRESS: University of Botswana, Private Bag 0022, Gaborone 351151
TELEX/CABLE: 2429 UCB BD
TYPE OF INSTITUTION: research; university
GEOGRAPHICAL COVERAGE: national
CREATED: 1982; STAFF: TOTAL: 17; PROFESSIONALS: 14
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Setswana
LINKS TO BROADER SYSTEM OR NETWORK: ACU
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; out-of-school activities (science fairs); school-agriculture; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (pre-service); teachers (in-service); researchers; science teachers' associations
DATA PROCESSING: HARDWARE: Apple IIe, Macintosh

00041
NAME OF INSTITUTION: Inter-disciplinary Center for the Improvement of Science Education (CIMEC)
CONTACT: Mr. Ubiratan D'Ambrosio, Director
ADDRESS: Caixa Postal 6063, 13.081 Campinas SP
TELEPHONE: (55-192) 391081
TELEX/CABLE: 019-1150/UNICAMP
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: Latin America
CREATED: 1978; STAFF: TOTAL: 12; PROFESSIONALS: 10
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): Portuguese
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (curricular analysis, programme); out-of-school activities (olympiads, science clubs, science museums); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; productive sector: industries and enterprises
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international

00042
NAME OF INSTITUTION: Núcleo de Documentaçao sobre a Formaçao Científica do IBECC (NDFC/IBECC)
CONTACT: Ms. Carolina M. Mori, Coordinator
ADDRESS: Caixa postal 20930, 01498 Sao Paulo - SP
TELEPHONE: (55-11) 2105772
GEOGRAPHICAL COVERAGE: national
CREATED: 1985; STAFF: TOTAL: 2; PROFESSIONALS: 2
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): Portuguese
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; mathematics education; nutrition education; physics education; technology education; development of equipment; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (in-service)
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Resenhas de Trabalhos sobre Ensino de Ciências e Matemática

Bulgaria/Bulgarie

00043
NAME OF INSTITUTION: Research Group on Education (RGE)
CONTACT: Dr. Boyan Penkov, Scientific Secretary
ADDRESS: P.O.Box 405, BG-1090 Sofia
TELEPHONE: (359-2) 880186
TELEX/CABLE: BAN MAT 022424
GEOGRAPHICAL COVERAGE: national
CREATED: 1980; STAFF: TOTAL: 28; PROFESSIONALS: 20
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): Bulgarian
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; out-of-school activities (olympiads, science clubs); school-agriculture; school-industry; science and society
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Informatika I Matematika
ORGANIZATION OF MEETINGS: national

Burkina/Burkina Faso

00044
NAME OF INSTITUTION: Groupe d'Etudes Scientifiques (GES)
CONTACT: Mr. Luois Oueadraogo, President
ADDRESS: Direction de l'Enseignement Général et Technique du Second Degre BP55
GEOGRAPHICAL COVERAGE: national
CREATED: 1978; STAFF: TOTAL: 70
UNESCO WORKING LANGUAGE(S): French
ACTIVITIES UNDERTAKEN: biology education; out-of-school activities (science clubs)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on creation of science clubs promoting activities against pollution and desertification.

Burundi/Burundi

00045
NAME OF INSTITUTION: Bureau d'Etude des Programmes de l'Enseignement Secondaire (BEPES)
CONTACT: Mr. François Rutumbesa, Chief
ADDRESS: B.P. 2990, Bujumbura
TELEPHONE:- (257-2) 31981, 32189
GEOGRAPHICAL COVERAGE: national
CREATED: 1976; STAFF: TOTAL: 104; PROFESSIONALS: 100
UNESCO WORKING LANGUAGE(S): French
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (test); out-of-school activities (science clubs); development of equipment; school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (pre-service); teachers (in-service)
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Echanges pédagogiques; l'Educateur (NDERAGAKURA)
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for the promotion of out-of-school activities, scientific clubs and cultural activities.

Byelorussian S.S.R./R.S.S. de Bielorussie

00046
NAME OF INSTITUTION: Ministry of Education, Research Institute in Pedagogics
CONTACT: Mr. Nicolay Ogurtsov, Deputy-director
ADDRESS: PO 220004, Skorolja Street 16, SU - Minsk
TELEPHONE: (71) 207476
GEOGRAPHICAL COVERAGE: national
CREATED: 1929; STAFF: TOTAL: 107; PROFESSIONALS: 87
UNESCO WORKING LANGUAGE(S): English, Russian
ADDITIONAL WORKING LANGUAGE(S): Bielorussian
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; technology education; out-of-school activities (olympiads, science clubs); school-agriculture; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Narodnaja Asveta
ORGANIZATION OF MEETINGS: local, national, international

Canada/Canada

00047
NAME OF INSTITUTION: Canadian Association for Science Education (CASE)
CONTACT: Ms. Susan Slater, President
ADDRESS: Apt. 101, 281 South Holdom Ave., Burnaby, British Columbia, V5B 3T9
TELEPHONE: (1-604) 291-1829; FAX: 1-613-598-4390
TELEX/CABLE: 053-4553 Canconarts Ott; MAILBOX: Slater at UBC MTS
GEOGRAPHICAL COVERAGE: national
CREATED: 1979
UNESCO WORKING LANGUAGE(S): English, French
LINKS TO BROADER SYSTEM OR NETWORK: ICASE
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; technology education; computer assisted science education (biology, chemistry, integrated science, mathematics, physics, technology); software development (biology, chemistry, integrated science, mathematics, physics, technology); curriculum development/design (biology, chemistry, integrated science, mathematics, physics, technology); out-of-school activities (popularisation of science and technology); school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations; teachers, federations, governments at all levels.
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: CASE Newsletter
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: Macintosh & IBM
SOFTWARE: Microsoft Works and word processor
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: continuation of annual science in-service convention series; establishing of a cross-Canada computer network; encouraging industry and commerce participation in science education; setting-up a clearing-house for science education materials; publishing a high-quality journal on science and science education; organizing conferences for science writers; establishing a speakers' list.

00048
NAME OF INSTITUTION: Youth Science Foundation (YSS)
CONTACT: Ms. Jennifer Englehardt, Executive Director
ADDRESS: 151 Slater Street, Ottawa, Ontario, K1P 5H3
TELEPHONE: (1-613) 2381671; FAX: (613) 2381677
GEOGRAPHICAL COVERAGE: national
CREATED: 1966; STAFF: TOTAL: 8; PROFESSIONALS: 4
UNESCO WORKING LANGUAGE(S): English, French

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; nutrition education; physics education; technology education; evaluation activities (curricular analysis, programme); out-of-school activities (olympiads, science fairs); school-industry; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Flabbergast
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: IBM Compatible
SOFTWARE: Word Perfect, dBase, ACC, PACC and Lotus
ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation requested to promote international science fairs.

Cape Verde/Cap-Vert

00049
NAME OF INSTITUTION: Instituto Pedagógico (IP)
CONTACT: Ms. Maritza Rosabal, Coordinator
ADDRESS: Caixa Postal 111-6EP, Praia
TELEPHONE: (238) 614163
GEOGRAPHICAL COVERAGE: national
CREATED: 1988
UNESCO WORKING LANGUAGE(S): French, Spanish
ADDITIONAL WORKING LANGUAGE(S): Portuguese
ACTIVITIES UNDERTAKEN: integrated science education; mathematics education; nutrition education; technology education; curriculum development/design (integrated science, mathematics, nutrition/health); development of teaching-learning materials (pupil materials, teachers' guides); training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; teachers (pre-service); teachers (in-service); curriculum designers

Central African Republic/République centrafricaine

00050
NAME OF INSTITUTION: Haut-Commissariat chargé de la recherche scientifique et technologique
CONTACT: Mr. David Zokoe
ADDRESS: B.P. 1613, Bangui
TELEPHONE: (236) 31.04.15/21.07
UNESCO WORKING LANGUAGE(S): French

Chad/Tchad

00051
NAME OF INSTITUTION: Direction de l'Enseignement Elementaire
CONTACT: Mr. Abderaman Koko
ADDRESS: B.P. 437, Ndjamena
TELEPHONE: (235) 2747
UNESCO WORKING LANGUAGE(S): French

Chile/Chili

00052
NAME OF INSTITUTION: Centro de Perfeccionamiento Experimentación e Investigaciones Pedagógicas (CPEIP)
CONTACT: Ms. Marta Soto Rodríguez, Director
ADDRESS: Casilla 16162 - Correo - Providencia, Santiago
TELEPHONE: (56-2) 472373
GEOGRAPHICAL COVERAGE: national
CREATED: 1969; STAFF: TOTAL: 191; PROFESSIONALS: 89
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): German
LINKS TO BROADER SYSTEM OR NETWORK: SINIE, IBEDOC, RENIB, REDUC, RAC
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of equipment; documentation services; school-agriculture
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS
DATA PROCESSING: HARDWARE: IBM-PC Local Area Network
SOFTWARE: CDS/ISIS, STAIRS
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: in-service teacher training for all school levels; innovations in science teaching; distance teaching-training.

China/Chine

00053
NAME OF INSTITUTION: Children and Youths' Science Centre, China Association for Science and Technology (CAST/SYSC)
CONTACT: Mr. Zhai Liyan, Section Chief
ADDRESS: Sanlihe, Beijing
TELEPHONE: (86-1) 896963, 896860
GEOGRAPHICAL COVERAGE: national
CREATED: 1979; STAFF: TOTAL: 30; PROFESSIONALS: 24
UNESCO WORKING LANGUAGE(S): Chinese, English
LINKS TO BROADER SYSTEM OR NETWORK: CMS, CPS, CCS

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; software development (integrated science, mathematics); curriculum development/design (integrated science); development of teaching-learning materials (audio-visual); out-of-school activities (olympiads, popularisation of science and technology, science clubs, science fairs, science museums); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations

PUBLICATIONS: DOCUMENTS
BOOKS: The Science and Technology Education Series for Young People
PERIODICALS AND/OR NEWSLETTERS: Youth's Science Activities; Science Instructor; Information Note (Chinese)

ORGANIZATION OF MEETINGS: national, international

Colombia/Colombie

00054
NAME OF INSTITUTION: Secretaría Ejecutiva del Convenio Andrés Bello (SECAB)
CONTACT: Ms. Gloria de Ortiz
ADDRESS: Apartado aéreo 53465; Carrera 19 No. 80-64, Bogotá D.E.
TELEPHONE: (57) 2560221, 2574297
TELEX/CABLE: 45569 SECAB CO
GEOGRAPHICAL COVERAGE: Latin America
CREATED: 1972; STAFF: TOTAL: 23; PROFESSIONALS: 8
UNESCO WORKING LANGUAGE(S): French, Spanish

ACTIVITIES UNDERTAKEN: biotechnology education; nutrition education; technology education; evaluation activities (programme); out-of-school activities (popularisation of science and technology, science fairs); documentation services; school-agriculture; science and society; science education for rural areas; special science programmes for girls/women

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations

PUBLICATIONS: DOCUMENTS
BOOKS: Ciencia y Tecnología
PERIODICALS AND/OR NEWSLETTERS: Revista del Convenio Andrés Bello

ORGANIZATION OF MEETINGS: national, international, regional
DATA PROCESSING: SOFTWARE: Micro CDS/ISIS

ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on organizing meetings and science fairs for youth; popularisation of science and training materials.
International co-operation requested for preparation and dissemination of reference information to research centres in CDS/ISIS.

00055
NAME OF INSTITUTION: Universidad del Valle - Multitaller de Materiales Didácticos (UNIVALLE)
CONTACT: Mr. Ramiro Tobon, Director
ADDRESS: Facultad de Ciencias; Apartado Aéreo 25360, Cali
TELEPHONE: (57-3) 392495
TELEX/CABLE: 51332 UVAL Co.
TYPE OF INSTITUTION: advisory to ministry; research; university
GEOGRAPHICAL COVERAGE: national
CREATED: 1978; STAFF: TOTAL: 20; PROFESSIONALS: 15
UNESCO WORKING LANGUAGE(S): English, Spanish
ACTIVITIES UNDERTAKEN: chemistry education; physics education; software development (chemistry, physics); development of teaching-learning materials (pupil materials, teachers' guides); out-of-school activities (popularisation of science and technology, science clubs, science fairs); development of equipment; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service)
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: Tandy 1000
SOFTWARE: CDS/ISIS, SCIB, BRS

Congo/Congo

00056
NAME OF INSTITUTION: Ecole normale supérieure de l'enseignement technique (ENSET)
CONTACT: Mr. Raphäel Batadila, Director
ADDRESS: BP.69, Brazzaville
TELEPHONE: (242) 813950
GEOGRAPHICAL COVERAGE: national
CREATED: 1981; STAFF: TOTAL: 353; PROFESSIONALS: 66
UNESCO WORKING LANGUAGE(S): French
ACTIVITIES UNDERTAKEN: technology education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: ENSET Journal

Costa Rica/Costa Rica

00057
NAME OF INSTITUTION: Centro Nacional de Didáctica (CENADI)
CONTACT: Mr. Orlando Hall, National Advisor
ADDRESS: Apartado 10087, Ministerio de Educación Pública, San José, Costa Rica
TELEPHONE: (506) 335018

GEOGRAPHICAL COVERAGE: national
CREATED: 1982; STAFF: TOTAL: 2; PROFESSIONALS: 2
UNESCO WORKING LANGUAGE(S): English, Spanish
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; out-of-school activities (popularisation of science and technology, science fairs); development of equipment; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Hacia la Luz
ORGANIZATION OF MEETINGS: local, national, international

Cuba/Cuba

00058
NAME OF INSTITUTION: Instituto Central de Ciencias Pedagógicas
CONTACT: Dr. Ana María Uría Peña, Head
ADDRESS: Obispo 160 e/ San Ignacio y Mercaderes, La Habana
TELEPHONE: (53) 624011
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): English, Russian, Spanish
ADDITIONAL WORKING LANGUAGE(S): German
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (mathematics); software development (mathematics); curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); out-of-school activities (olympiads, popularisation of science and technology, science fairs); documentation services; school-agriculture; school-industry; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Ciencias Pedagógicas (Journal)
ORGANIZATION OF MEETINGS: national, international

Cyprus/Chypre

00059
NAME OF INSTITUTION: Pedagogical Academy (PAC)
CONTACT: Mr. G.S. Kaminarides, Lecturer
ADDRESS: Nicosia
TELEPHONE: (357-2) 302309

GEOGRAPHICAL COVERAGE: national
CREATED: 1959; STAFF: TOTAL: 50; PROFESSIONALS: 50
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Greek
ACTIVITIES UNDERTAKEN: biology education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (integrated science); development of teaching-learning materials (audio-visual, teachers' guides); out-of-school activities (science clubs); development of equipment; documentation services; school-agriculture; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; post-secondary students; teachers (pre-service); youth out-of-school
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Bulletin of Educational Abstracts
ORGANIZATION OF MEETINGS: local

00060
NAME OF INSTITUTION: Pedagogical Institute (PI)
CONTACT: Mr. Christos Georgiades
ADDRESS: P.O. Box 512, Nicosia
TELEPHONE: (357-21) 302735, 302736
GEOGRAPHICAL COVERAGE: national
CREATED: 1973; STAFF: TOTAL: 41; PROFESSIONALS: 36
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Greek
LINKS TO BROADER SYSTEM OR NETWORK: EUDISED
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (chemistry, mathematics, physics); software development (physics); development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); development of equipment; documentation services; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (pre-service); teachers (in-service); technicians; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Abstracts
DATA PROCESSING: HARDWARE: DEC POP-11/44, ACER-710
SOFTWARE: DATATRIEVE, RSTS/E, BASIC, FORTRAN, COBOL, MS-DOS, dBASE III+, VOX Writer
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: in-service science teacher training in: teaching electronics and micro-electronics (secondary); using micro-computers in the class and in the laboratory (secondary); experimantal discovery approach (primary and secondary); environmental education (primary and secondary); improvisation of equipment.

Czechoslovakia/Tchecoslovaquie

00061
NAME OF INSTITUTION: Charles University - Faculty of Education
CONTACT: Dr. Jaroslav Barták, Associate Professor
ADDRESS: M.D. Rettigove 4, 11639 Prague 1
TELEPHONE: (42-2) 298751
GEOGRAPHICAL COVERAGE: national
CREATED: 1948; STAFF: TOTAL: 400; PROFESSIONALS: 250
UNESCO WORKING LANGUAGE(S): English, Russian
ADDITIONAL WORKING LANGUAGE(S): Czech
ACTIVITIES UNDERTAKEN: mathematics education; development of teaching-learning materials (audio-visual, teachers' guides); out-of-school activities (olympiads, popularisation of science and technology, science clubs)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (pre-service); technicians; youth out-of-school; researchers
PUBLICATIONS: BOOKS: Differential Equations, Applications of Diff. Equations, Fundamental of Metric Spaces, Partial Differential Equations (all in Czech)
ORGANIZATION OF MEETINGS: national, regional
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: research in problem teaching and applications of mathematics; applied research in mathematics.
International co-operation requested for: exchange of information on projects and documents in mathematics education.

Côte d'Ivoire/Côte d'Ivoire

00062
NAME OF INSTITUTION: Direction de la Pédagogie (DPED)
CONTACT: Mr. Salyou Sangare, Inspector General
ADDRESS: BP V 150, Abidjan
TELEPHONE: (225) 324788
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): French
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; physics education; technology education; curriculum development/design (mathematics); development of teaching-learning materials (teachers' guides); evaluation activities (programme); out-of-school activities (olympiads, science clubs); development of equipment; school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; science teachers' associations; pedagogical staff
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Bulletins des professeurs
ORGANIZATION OF MEETINGS: national

ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation requested on exchange of information concerning science teaching and evaluation and introduction of computers for the teaching of science.

Denmark/Danemark

00063
NAME OF INSTITUTION: Chemistry Department - Royal Danish School of Educational Studies (DLH)
CONTACT: Prof. Erik W. Thulstrup
ADDRESS: Emdrupvej 115 B, DK-2400 Copenhagen NV
TELEPHONE: (45-1) 696633
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: national
CREATED: 1830; STAFF: TOTAL: 11; PROFESSIONALS: 6
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Danish, German
LINKS TO BROADER SYSTEM OR NETWORK: INCS
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; out-of-school activities (science fairs); development of equipment; school-industry; science and society; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on integration of science subjects with other subjects; teaching of science and technology in primary schools. International co-operation requested on organization of non-competitive science camps for teachers and pupils.

Dominica/Dominique

00064
NAME OF INSTITUTION: National Council of Science and Technology
CONTACT: Mr. Rupert Lance
ADDRESS: Office of the Prime Minister, Economic Development Unit, Government Headquarters, Roseau
TELEPHONE: (11-1-801) 2401 ext. 227
UNESCO WORKING LANGUAGE(S): English

Dominican Republic, the/République dominicaine

00065
NAME OF INSTITUTION: Pontificia Universidad Católica Madre y Maestra (PUCMM)
CONTACT: Dr. Eduardo Luna Ramia, Professor
ADDRESS: Centro de Investigaciones, P.O.Box 822, Santiago
TELEPHONE: (1-809) 5830441 ext.395, 5830964
TELEX/CABLE: ITT 3461032; MAILBOX: (809)-583-0964
TYPE OF INSTITUTION: advisory to ministry; research; university
GEOGRAPHICAL COVERAGE: national
CREATED: 1963; STAFF: TOTAL: 1099; PROFESSIONALS: 512
UNESCO WORKING LANGUAGE(S): English, French, Spanish
LINKS TO BROADER SYSTEM OR NETWORK: FIUC, CUIDES, UDUAL, ODUCAL, IAUP, ASSCUM, CAMESA, UNICA, GULERPE, ADRU, REDUC
ACTIVITIES UNDERTAKEN: mathematics education; curriculum development/design (mathematics); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (curricular analysis, training); out-of-school activities (science contests); documentation services; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: IBM-PC/AT, Macintosh, Hewlett-Packard Plotter, Modem (Hayes)
SOFTWARE: LOTUS 123, MS-CHART, WATFILE, KERMIT, SMARTTERM, FINAL WORD, JAZZ, RED RYDER, READY SET GO 4, MACDRAW, MACDRAFT, MINITAB
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on science and technology education. International co-operation requested to share experiences and plan activities in science and technology education.

Ecuador/Equateur

00066
NAME OF INSTITUTION: Consejo Nacional de Ciencia y Tecnología (CONACYT)
CONTACT: Mr. Guillermo Romero Salvatierra, Executive Director
ADDRESS: Av. Patria Nº 850 y 10 de Agosto / P.O. Box C-0028, Quito
TELEPHONE: (593) 550160, 550566, 550639
TELEX/CABLE: 22027 CONCYT ED
GEOGRAPHICAL COVERAGE: national
CREATED: 1979; STAFF: TOTAL: 57; PROFESSIONALS: 36
UNESCO WORKING LANGUAGE(S): Spanish
LINKS TO BROADER SYSTEM OR NETWORK: SINICYT
ACTIVITIES UNDERTAKEN: out-of-school activities (science clubs, science fairs); documentation services; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (in-service); technicians; researchers
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Boletín SINICYT; Boletín de difusión científico-tecnológica; Ecuador: Ciencia y Tecnología
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: TI-Business Pro, Olivetti M24, Tech 1000, Epson Equity
SOFTWARE: MicroISIS, Informix, Lirix, Lotus, dBase III+, Word Perfect, Wordstar, Harvard Graphic

Egypt/Egypte

00067
NAME OF INSTITUTION: Basic Education - Ministry of Education
CONTACT: Mr. Ezzat Hamed Borhan, Director
ADDRESS: Ministry of Education, Monera, Cairo
TELEPHONE: (20-2)
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; physics education; technology education; out-of-school activities (olympiads); development of equipment; school-agriculture; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; teachers (pre-service); teachers (in-service); youth out-of-school; researchers
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on primary science and low-cost teaching materials.

00068
NAME OF INSTITUTION: Science Education Centre (SEC)
CONTACT: Dr. Yusuf Salah El-Din Kotb, Director of the Center
ADDRESS: Ain Shams University, Cairo
TELEPHONE: (20-2) 820509
TELEX/CABLE: 94070 USHMSUN
GEOGRAPHICAL COVERAGE: national
CREATED: 1973; STAFF: TOTAL: 50; PROFESSIONALS: 10
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; out-of-school activities (popularisation of science and technology, science clubs, science museums); development of equipment; documentation services; science and society; science education for rural areas; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Annual Reports
PERIODICALS AND/OR NEWSLETTERS: Modern Science Magazine
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation requested for exchange of information in the field of science and technology education.

00069
NAME OF INSTITUTION: Supreme Council of Universities, Foreign Relations Coordinating Unit
CONTACT: Dr. Mostafa M. Kamel, Executive Director
ADDRESS: Cairo University Giza, Cairo
TELEPHONE: (20-2) 726131
UNESCO WORKING LANGUAGE(S): Arabic, English

Equatorial Guinea/Guinée equatoriale

00070
NAME OF INSTITUTION: Instituto Nacional de Enseñanza Media "Rey Malabo" (INEM REY MALABO)
CONTACT: Mr. Santiago Obama Ndong, Director
ADDRESS: Ministerio de Educación y Deportes, Malabo - Bioko Norte
TELEPHONE: (240-9) 3185
GEOGRAPHICAL COVERAGE: national
CREATED: 1944; STAFF: TOTAL: 3591; PROFESSIONALS: 104
UNESCO WORKING LANGUAGE(S): French
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; physics education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils
ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation requested to promote science and technology education in secondaty schools; in- and pre-service teacher training; preparation of textbooks; scientific and technological popularization.

Ethiopia/Ethiopie

00071
NAME OF INSTITUTION: Curriculum Department (CD)
CONTACT: Mr. Tesfaye Dubale Woldeyes, Head - Curriculum Department
ADDRESS: Box 2346, Addis Ababa
TELEPHONE: (251) 127305
GEOGRAPHICAL COVERAGE: national
CREATED: 1964; STAFF: TOTAL: 160; PROFESSIONALS: 95
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Amharic

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (pupil materials, teachers' guides); school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners; regional pedagogical centres
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed for: the establishment of curriculum for general education; research concerning girls' participation and performance in primary education; research concerning health and nutrition curriculum; "Education with Production" field study; study on the "drop-outs" in primary and secondary education; establishment of Education Researchers' Association in Ethiopia.
International co-operation is requested on computerization.

Fiji/Fidji

00072
NAME OF INSTITUTION: Fiji Institute of Technology (FIT)
CONTACT: Mr. Emitai L. Boladuadua, Principal
ADDRESS: P.O. Box 3722, Samabula, Suva
TELEPHONE: (679) 381044
GEOGRAPHICAL COVERAGE: south Pacific countries
CREATED: 1963; STAFF: TOTAL: 247; PROFESSIONALS: 117
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; physics education; technology education; computer assisted science education (biology, chemistry); software development (physics); school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (in-service); technicians; researchers; education policy planners; science teachers' associations
DATA PROCESSING: HARDWARE: NCR Tower 1632 (HDU 2x46 MB)
SOFTWARE: UNIX, Multiplan

Finland/Finlande

00073
NAME OF INSTITUTION: National Board of General Education (NBGE)
CONTACT: Mr. Hannu Kuitunen, Chief Inspector
ADDRESS: Hakaniemenkatu 2, 00530 Helsinki
TELEPHONE: (358-0) 90 7061
GEOGRAPHICAL COVERAGE: national
CREATED: 1870; STAFF: TOTAL: 240
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Finnish, Swedish

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (teachers' guides); evaluation activities (programme, test); school-agriculture; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); youth out-of-school; researchers; education policy planners; textbook publishers
PUBLICATIONS: DOCUMENTS
BOOKS: Teaching methods for science education Vols. 1, 2
PERIODICALS AND/OR NEWSLETTERS: Information Note (in Finnish)
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: Macintosh SE

00074
NAME OF INSTITUTION: National Board of Vocational Education (AKH)
CONTACT: Mr. Veijo Hintsanen, Assistant Director
ADDRESS: Hakaniemenkatu 2, 00530 Helsinki
TELEPHONE: (358-0) 7062795
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 320
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Finnish, Swedish
ACTIVITIES UNDERTAKEN: biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; out-of-school activities (olympiads, science museums); school-agriculture; school-industry; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: AMMATTI JA KOULUTUS

France/France

00075
NAME OF INSTITUTION: Institut National de Recherche Pédagogique - Département de Didactique (INRP/DP1)
CONTACT: Mr. Jacques Colomb, Director
ADDRESS: 29, rue d'Ulm, 75230 Paris Cedex 05
TELEPHONE: (33-1) 46349083
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: national
CREATED: 1980; STAFF: TOTAL: 17
UNESCO WORKING LANGUAGE(S): French

ACTIVITIES UNDERTAKEN: biology education; integrated science education; mathematics education; evaluation activities (curricular analysis); development of equipment; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (pre-service); teachers (in-service); researchers
PUBLICATIONS: DOCUMENTS
BOOKS: Rapport de Recherches; Rencontres Pédagogiques
PERIODICALS AND/OR NEWSLETTERS: ASTER (Revue de didactiques sur sciences expérimentales)
ORGANIZATION OF MEETINGS: national, international, regional
DATA PROCESSING: HARDWARE: Centre de Calcul du CIRCE
SOFTWARE: Diverse
ADDITIONAL INFORMATION (including future projects and international co-operation):
Studies to be developed on the teaching of science at all levels.

Gambia/Gambie

00076
NAME OF INSTITUTION: Curriculum Development Centre
CONTACT: Mr. Essa M. Gaye
ADDRESS: 69 Hagan Street, Banjul
TELEPHONE: (220) 8310
UNESCO WORKING LANGUAGE(S): English

German Democratic Republic, the/République démocratique allemande

00077
NAME OF INSTITUTION: Academy of Pedagogical Science of the GDR, Centre of Pedagogical Information and Documentation (ZPID)
CONTACT: Prof. Hans Senf, Director
ADDRESS: Otto-Grotewohl-Strasse 11, Berlin 1080
TELEPHONE: (49-2) 2333016
GEOGRAPHICAL COVERAGE: national
CREATED: 1969; STAFF: TOTAL: 23; PROFESSIONALS: 23
UNESCO WORKING LANGUAGE(S): English, Russian
ADDITIONAL WORKING LANGUAGE(S): German
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); out-of-school activities (olympiads, science contests, science fairs); development of equipment; documentation services; school-agriculture; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; headmasters

PUBLICATIONS: DOCUMENTS
BOOKS: Jahrbuch der APW, Pädagogik
PERIODICALS AND/OR NEWSLETTERS: Vergleichende Pädagogik
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: ESER-Computer, Personal Computer
SOFTWARE: AIDOS, MIDOS

00078
NAME OF INSTITUTION: Central Commission for Polytechnical Education and Training
CONTACT: Prof. Dietrich Blandow, Chairman of Central Commission
ADDRESS: University College of Education, Nordhäuser Str. 63, 5064 Erfurt
TELEPHONE: (37-61) 5360
TYPE OF INSTITUTION: research; university
GEOGRAPHICAL COVERAGE: Europe
CREATED: 1980; STAFF: TOTAL: 18; PROFESSIONALS: 18
UNESCO WORKING LANGUAGE(S): English, French, Russian
ADDITIONAL WORKING LANGUAGE(S): German
ACTIVITIES UNDERTAKEN: technology education; computer assisted science education (technology); development of teaching-learning materials (pupil materials, teachers' guides); out-of-school activities (olympiads, science contests); documentation services; school-industry; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners
PUBLICATIONS: BOOKS: Basic knowledge for technology teaching
ORGANIZATION OF MEETINGS: local, international
DATA PROCESSING: SOFTWARE: MS-DOS, CP/M
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: identification of talents; special schools for gifted pupils; informatics; information technology for general education; research projects on mastery of learning strategies in technology education; in-service and pre-service training programmes for technology teachers; programme for school production based activities; computer and productive work of the pupils.

Germany, Federal Republic of/Allemagne, République féderale d'

00079
NAME OF INSTITUTION: Institute for Science Education (IPN)
CONTACT: Dr. Kurt Riquarts
ADDRESS: Olshausenstrasse 62, D-2300 Kiel
TELEPHONE: (49-431) 8803114
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: national
CREATED: 1966; STAFF: TOTAL: 90; PROFESSIONALS: 45
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): German

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; physics education; software development (biology, chemistry, physics); curriculum development/design (biology, chemistry, physics); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (curricular analysis); out-of-school activities (olympiads, science museums); development of equipment; documentation services; special science programmes for girls/women

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; researchers; education policy planners

PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: IPN Blaetter (Newsletter)

ORGANIZATION OF MEETINGS: national, international

DATA PROCESSING: HARDWARE: DEC PDP11/44
SOFTWARE: Own programs (Dialogue)

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed on ecotechnology and science education; technology and career to general and vocational education; values, attitudes, interests and science education progress.

Ghana/Ghana

00080

NAME OF INSTITUTION: Science Unit Ghana Education Service (CRDD)
CONTACT: Ms. Edna Yaa Adjepong-Takpuie, Assistant Director
ADDRESS: P.O. Box M188, Accra
TELEPHONE: (233) 228333
TELEX/CABLE: ALLED
GEOGRAPHICAL COVERAGE: national
CREATED: 1966; STAFF: TOTAL: 10; PROFESSIONALS: 6
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: CRDD/GES

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; out-of-school activities (popularisation of science and technology, science clubs, science fairs); development of equipment; documentation services; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; science teachers' associations

PUBLICATIONS: BOOKS: Ghana Science Series: Books for primary and secondary education, for pupils and teachers

ORGANIZATION OF MEETINGS: local

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed on reorganization of science clubs; organization of fairs; review of primary science syllabus; evaluation of junior secondary school science programme; preparation of senior secondary school science syllabus; workshop for science and science tutors.

Greece/Grèce

00081
NAME OF INSTITUTION: Directorate of Implementing Educational Projects
CONTACT: Mr. A. Kalofolias
ADDRESS: Ministry of Education, 15 Mietropoleos Street, Gr-10185 Athens
TELEPHONE: (30-1) 3239497
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): Greek

00082
NAME OF INSTITUTION: Pedagogical Institute of Greece (PI)
CONTACT: Mr. Spyros E. Diamessis, Counsellor
ADDRESS: 396 Messoyion St., Athens 153.41
TELEPHONE: (30-1) 6567364,6567368
GEOGRAPHICAL COVERAGE: national
CREATED: 1985; STAFF: TOTAL: 200; PROFESSIONALS: 150
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): Greek
LINKS TO BROADER SYSTEM OR NETWORK: EUDISED, EURIDICE, CEDEFOP
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; evaluation activities (test); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Textbooks in all disciplines
ORGANIZATION OF MEETINGS: local
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on computers in the classroom; evaluation; careers education; curricula; videotext applications for information in education.
International co-operation requested for exchange of information on curricula, publications, terminologies, results of computerization and linguistic work including machine translation.

Grenada/Grenade

00083
NAME OF INSTITUTION: Grenada Technical and Vocational Institute, Ministry of Education
CONTACT: Grenada National Commission for Unesco
ADDRESS: St. Georges
UNESCO WORKING LANGUAGE(S): English

Guinea/Guinée

00084
NAME OF INSTITUTION: Institut Pédagogique National (IPN)
CONTACT: Dr. Ibrahim Ninguélandé Diallo, Directeur General
ADDRESS: B.P. 8231, Ministère de l'Education Nationale, Conakry
GEOGRAPHICAL COVERAGE: national
CREATED: 1972; STAFF: TOTAL: 126; PROFESSIONALS: 106
UNESCO WORKING LANGUAGE(S): French
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; evaluation activities (programme); out-of-school activities (olympiads); documentation services; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Bonjour Fanta-Bonjour Fodé; Cahier d'écriture
PERIODICALS AND/OR NEWSLETTERS: KARAMO
ORGANIZATION OF MEETINGS: national, international, regional
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on pilot basis concerning teaching of technology and ecology in primary schools; integrated science for rural areas; out-of-school science and technology education. International co-operation requested on teaching of biology, chemistry, mathematics, nutrition/health, teacher training.

Guyana/Guyana

00085
NAME OF INSTITUTION: Ministry of Education Social Development and Culture (IAST/NSRC)
ADDRESS: 90 Robb & Oronoque Streets, P.O.Box 1014, Georgetown
UNESCO WORKING LANGUAGE(S): English

Hungary/Hongrie

00086
NAME OF INSTITUTION: National Centre for Educational Technology (OOK)
CONTACT: Ms. Andrea Borbas, Head of Dept. International Contacts
ADDRESS: Szabadnép u. 15, 8200 Veszprém
TELEPHONE: (36-80) 25444
TELEX/CABLE: 32310
GEOGRAPHICAL COVERAGE: national
CREATED: 1973; STAFF: TOTAL: 110; PROFESSIONALS: 35
UNESCO WORKING LANGUAGE(S): English, Russian
ADDITIONAL WORKING LANGUAGE(S): Hungarian
LINKS TO BROADER SYSTEM OR NETWORK: GIREP

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; physics education; technology education; development of teaching-learning materials (audio-visual, teachers' guides)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations
ORGANIZATION OF MEETINGS: local, national

00087
NAME OF INSTITUTION: Országos Pedagógiai Intézet (OPI)
CONTACT: Dr. András Benedek, Deputy Director General
ADDRESS: Berzsenyi Dániel u. 6, 1087 Budapest
TELEPHONE: (36-1) 140649
TELEX/CABLE: 226680
GEOGRAPHICAL COVERAGE: national
CREATED: 1957; STAFF: TOTAL: 300; PROFESSIONALS: 180
UNESCO WORKING LANGUAGE(S): English, Russian
ADDITIONAL WORKING LANGUAGE(S): German
LINKS TO BROADER SYSTEM OR NETWORK: CODIESE, IBE, IEA, Council of Europe
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (chemistry, integrated science, mathematics, physics, technology); software development (chemistry, integrated science, mathematics, physics, technology); curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (curricular analysis); out-of-school activities (olympiads, popularisation of science and technology, science clubs, science contests, science fairs, science museums); development of equipment; documentation services; school-agriculture; school-industry; science and society
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; career guidance
PUBLICATIONS: DOCUMENTS
BOOKS: Textbooks
PERIODICALS AND/OR NEWSLETTERS: 7 different periodicals in science and technology education
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: different fields of informatics; computer literacy in the education system.
International co-operation requested for participation in international activities.

Iceland/Islande

00088
NAME OF INSTITUTION: Ministry of Education - Secondary School Department
CONTACT: Mr. Hafthor Gudjonsson, Teacher
ADDRESS: Ingolfsstraeti 5, 101 Reykjavik
TELEPHONE: (354-91) 25000
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Danish, Icelandic, Norwegian, Swedish
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; technology education; documentation services
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (pre-service); teachers (in-service); science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: IBM

India/Inde

00089
NAME OF INSTITUTION: Department of Education in Science and Mathematics (NCERT)
CONTACT: Prof. B. Ganguly, Head of Department
ADDRESS: National Council of Educational Research and Training, Sri Aurobindo Marg, New Delhi 110016
TELEPHONE: (91-11) 661742, 666047
TELEX/CABLE: 31-73024, EDUSEARCH
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: national
CREATED: 1961; STAFF: TOTAL: 75; PROFESSIONALS: 36
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Hindi, Urdu
LINKS TO BROADER SYSTEM OR NETWORK: APEID
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (biology, chemistry, mathematics, physics); curriculum development/design (biology, chemistry, integrated science, mathematics, physics); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (test, training); out-of-school activities (olympiads, popularisation of science and technology, science clubs, science fairs); development of equipment; documentation services; science and society; science education for rural areas; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations

PUBLICATIONS: DOCUMENTS

PERIODICALS AND/OR NEWSLETTERS: School Science; Science Club Newsletter; Computer Primer

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed on how to improve science education in schools; to strengthen environmental education, computer literacy and studies at schools.

Indonesia/Indonésie

00090

NAME OF INSTITUTION: Directorate of General Secondary Education (DIKMENUM)

CONTACT: Dr. Achmad Riyanto

ADDRESS: Jalan Hanglekir II/16 Kebayoran Baru, Jakarta Selatan

TELEPHONE: (62-21) 770732

GEOGRAPHICAL COVERAGE: worldwide

CREATED: 1975; STAFF: TOTAL: 300; PROFESSIONALS: 10

UNESCO WORKING LANGUAGE(S): English

ADDITIONAL WORKING LANGUAGE(S): Indonesian

LINKS TO BROADER SYSTEM OR NETWORK: ASPEN, RECSAM

ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; technology education; software development (biology, chemistry, physics); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (formative); out-of-school activities (science contests); development of equipment; documentation services; school-agriculture; school-industry; science and society; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; local authorities, etc.

PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Media Komunikasi

ORGANIZATION OF MEETINGS: national

DATA PROCESSING: HARDWARE: Alcom/Princeton Computer, Panasonic Printer.

SOFTWARE: PFS First Choice, Paradox, dBase III+, Lotus; Wordstar, PFS First Publisher, PM

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed for international mathematics olympiad; Asian Physics Education Network.

International co-operation requested for audio-visual, audio-instructional materials' development programmes.

00091
NAME OF INSTITUTION: Pusat Informatika, Depdikbud (PUSINFOT)
CONTACT: Dr.Boediono , Director
ADDRESS: P.O. Box 297/KBY, Senayan, Jakarta 12001
TELEPHONE: (62-21) 587156
TELEX/CABLE: 45514.LITPBK
GEOGRAPHICAL COVERAGE: national
CREATED: 1969; STAFF: TOTAL: 80; PROFESSIONALS: 20
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Indonesian
ACTIVITIES UNDERTAKEN: evaluation activities (curricular analysis, test); documentation services; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); youth out-of-school; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Journal
DATA PROCESSING: HARDWARE: Main Frame and Microcomputers
SOFTWARE: Basic, dBase
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on creation of educational data bases at provincial and national levels for policy analysis and decision making for micro-computers and projectors.

Iraq/Irak

00092
NAME OF INSTITUTION: Directorate General of Curricular and Audio-Visual Aids
CONTACT: The Expert in Science
ADDRESS: Ministry of Education, Bagdad
TELEPHONE: (964-1) 8860000, 8877077
UNESCO WORKING LANGUAGE(S): Arabic, English

Ireland/Irlande

00093
NAME OF INSTITUTION: Irish Association of Youth Science Groups (IAYSG)
CONTACT: Mr. Martin Brady, Chairperson
ADDRESS: c/o ECO, 37 North Great Georges Street, Dublin 1
TELEPHONE: (353-1) 731884
GEOGRAPHICAL COVERAGE: national
CREATED: 1982; STAFF: TOTAL: 1; PROFESSIONALS: 1
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: YEE, MILSET

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; technology education; software development (chemistry); curriculum development/design (biology, chemistry, integrated science, mathematics, physics, technology); out-of-school activities (popularisation of science and technology, science clubs); school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; youth out-of-school; education policy planners; science teachers' associations; youth leaders
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Youth and Science Bulletin; AstroNews; EnvroNews
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for science and technology clubs; training activities for leaders; energy systems, ecology, astronomy and space science; micro-computer applications; effects of science in society; European campaign for the promotion of science and technology; science and technology education amongst young people; participation in international programmes and activities.
International co-operation requested on joint programmes and projects with other organisations in Europe and elsewhere.

Israel/Israël

00094
NAME OF INSTITUTION: Israeli Science Teaching Centre (ISTC)
CONTACT: Mr. Ofer Arad, Assistant to Director of Science
ADDRESS: Sharet Building, Tel Aviv University, Tel Aviv 69978
TELEPHONE: (972-3) 5450763
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 65; PROFESSIONALS: 60
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Hebrew
ACTIVITIES UNDERTAKEN: integrated science education; nutrition education; technology education; computer assisted science education (integrated science); software development (integrated science); out-of-school activities (science clubs); science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); researchers; science teachers' associations
PUBLICATIONS: DOCUMENTS

Italy/Italie

00095
NAME OF INSTITUTION: Biblioteca di Documentazione Pedagogica (BDP)
CONTACT: Dr. Giovanni Biondi, Vice-President
ADDRESS: Via Buonarroti 10, 50122 Firenze
TELEPHONE: (39-55) 241187; FAX: (39-55) 242884
GEOGRAPHICAL COVERAGE: national

CREATED: 1981
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): Italian
LINKS TO BROADER SYSTEM OR NETWORK: RIDP, EURYDICE, EUDISED
ACTIVITIES UNDERTAKEN: documentation services
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: SOFTWARE: TRM/STARS, CDS/ISIS

00096
NAME OF INSTITUTION: Centro Europeo dell'Educazione (CEDE)
CONTACT: Ms. Michaela Mayer, Researcher
ADDRESS: Villa Falconeri, 00044 Frascati
TELEPHONE: (39-6) 9425771
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 40; PROFESSIONALS: 23
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): Italian
LINKS TO BROADER SYSTEM OR NETWORK: IEA, CODIESE, OECD
ACTIVITIES UNDERTAKEN: chemistry education; integrated science education; mathematics education; physics education; computer assisted science education (chemistry, physics); curriculum development/design (physics); development of teaching-learning materials (teachers' guides); documentation services
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (in-service); researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Quaderni di Villa Falconeri
PERIODICALS AND/OR NEWSLETTERS: Ricerca Educativa
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: HP 9000, MS-DOS PC
SOFTWARE: MS-DOS, UNIX, C-language, BASIC, dBase III, Open Access, Wordstar, ISIS, SPSS
ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation requested for research in science education and exchange of information on data processing for evaluation.

Jamaica/Jamaïque

00097
NAME OF INSTITUTION: The College of Arts, Sciences and Technology (CAST)
CONTACT: Dr. Q.W. Sangster, President
ADDRESS: 237 Old Hope Road, Kingston 6
TELEPHONE: (1-809) 9271680-8; FAX: 892 927-1295
GEOGRAPHICAL COVERAGE: Caribbean region
CREATED: 1958; STAFF: TOTAL: 136; PROFESSIONALS: 28
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; development of teaching-learning materials (audio-visual, teachers' guides); development of equipment; school-industry; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (pre-service); teachers (in-service); technicians
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: CAST Review and Seminars
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: IBM-PC
SOFTWARE: CDS/ISIS
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on organization of seminars, i.e. "Partners in Education"; and also involvement with the Caribbean Examination Council (CXC).

Japan/Japon

00098
NAME OF INSTITUTION: National Institute for Educational Research of Japan (NIER)
CONTACT: Mr. Toshio Sawada, Director
ADDRESS: 6-5-22 Shimomeguro, Meguro-Ku, Tokyo 153
TELEPHONE: (81-3) 7140111; FAX: 81-03-714-5294
TELEX/CABLE: NINSTFEDURE Tokyo; MAILBOX: Tokyo 716-0111
GEOGRAPHICAL COVERAGE: national
CREATED: 1949; STAFF: TOTAL: 100; PROFESSIONALS: 73
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Japanese
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); researchers; education policy planners; science teachers' associations
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Research Report of NIER, Bulletin of NIER
ORGANIZATION OF MEETINGS: local, national, international

Jordan/Jordanie

00099
NAME OF INSTITUTION: General Directorate of Curricula and Educational Technology (GDCET)
CONTACT: Dr. Mustafa Sweilem, Director
ADDRESS: P.O. Box 1930, Amman
TELEPHONE: (962) 617304/5, 613151/2
TELEX/CABLE: 21369 Educat JO.
GEOGRAPHICAL COVERAGE: national
CREATED: 1964; STAFF: TOTAL: 45; PROFESSIONALS: 27
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service)
PUBLICATIONS: BOOKS: School Textbooks

00100
NAME OF INSTITUTION: Science Club
CONTACT: Dr. Ruhi Sharif, President
ADDRESS: Box 406 Em-Essumaq and Khalda, Amman
TELEPHONE: (962-6) 811004
TELEX/CABLE: 22496 PAC JO
GEOGRAPHICAL COVERAGE: national
CREATED: 1986; STAFF: TOTAL: 1; PROFESSIONALS: 1
UNESCO WORKING LANGUAGE(S): Arabic, English
LINKS TO BROADER SYSTEM OR NETWORK: AUSC
ACTIVITIES UNDERTAKEN: out-of-school activities (olympiads, popularisation of science and technology, science clubs, science contests, science fairs, science museums)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; youth out-of-school
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Various

Kenya/Kenya

00101
NAME OF INSTITUTION: Kenya Institute of Education (KIE)
CONTACT: Mr. George Muito, Co-ordinator
ADDRESS: P.O. Box 30231, Nairobi
TELEPHONE: (254-2) 749900/09
TELEX/CABLE: WATCHFUL, NAIROBI
GEOGRAPHICAL COVERAGE: national
CREATED: 1967; STAFF: TOTAL: 300; PROFESSIONALS: 140
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, chemistry, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); evaluation activities (formative, programme, summative, test); out-of-school activities (science clubs, science fairs); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: BOOKS: Teachers' manuals and pupils' textbooks in all subjects
ORGANIZATION OF MEETINGS: national, regional

ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on production of curriculum support materials; manuals, guides for primary and secondary teacher education, business education training institutes and polytechnics; production of multi-media materials: film, video, radio and others; production of population and family life education curriculum materials.
International co-operation requested for exchange of information on on-going projects - activities with other INISTE members; participation in meetings and study visits; development of computer education in the schools and teacher-training curricula.

Kuwait/Koweit

00102
NAME OF INSTITUTION: College of Basic Education
CONTACT: Kuwait National Commission for Unesco, P.O.Box 3266, Safat -
ADDRESS: P.O. Box 34053 Idailiya, 73251 Idailiya
TELEPHONE: (965) 2514200
TELEX/CABLE: 22269 KT
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; physics education; development of teaching-learning materials (teachers' guides); special science programmes for girls/women
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (pre-service)

00103
NAME OF INSTITUTION: Educational Research Centre
CONTACT: Kuwait National Commission forP.O.Box 3266, Safat - Kuwait
ADDRESS: P.O. Box 16222, 35853 Oadisiah
TELEPHONE: (965) 4839703
GEOGRAPHICAL COVERAGE: national
CREATED: 1974; STAFF: TOTAL: 82; PROFESSIONALS: 71
UNESCO WORKING LANGUAGE(S): Arabic
ACTIVITIES UNDERTAKEN: integrated science education; mathematics education; software development (integrated science, mathematics); evaluation activities (programme); training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Journal of Education
DATA PROCESSING: HARDWARE: IBM
SOFTWARE: dBase III

00104
NAME OF INSTITUTION: Kuwait University (KU)
CONTACT: Kuwait National Commission for Unesco, P.O.Box 3266, Safat -
ADDRESS: P.O. Box 5969, 13060 Safat
TELEPHONE: (965) 4817808

TELEX/CABLE: 31943 ABHATH
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: national
CREATED: 1966; STAFF: PROFESSIONALS: 858
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: computer assisted science education (mathematics); evaluation activities (programme); documentation services; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (in-service); youth out-of-school; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
BOOKS: Research Abstracts
PERIODICALS AND/OR NEWSLETTERS: Research Bulletin
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: IBM, VAX, UNISYS
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to develop special software packages; computer applications.

Lao People's Democratic Republic, the/République democratique populaire Lao

00105
NAME OF INSTITUTION: Institut de Recherche des Sciences de l'Education (IRSE)
CONTACT: Mr. Khamphat Sihanath, Director
ADDRESS: Ministère de l'Education, Vientiane
TELEPHONE: (856) 2726
GEOGRAPHICAL COVERAGE: national
CREATED: 1975; STAFF: TOTAL: 48; PROFESSIONALS: 43
UNESCO WORKING LANGUAGE(S): English, French, Russian
ADDITIONAL WORKING LANGUAGE(S): Lao, Thai, Vietnamese
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (teachers' guides); development of equipment; documentation services; school-agriculture; school-industry
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); researchers; education policy planners
PUBLICATIONS: BOOKS: Manuels scolaires.
PERIODICALS AND/OR NEWSLETTERS: Revue semestrielle des sciences de l'éducation.
ORGANIZATION OF MEETINGS: local, national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on introduction of new curricula and textbooks in general education; pre-school education and adult education; elaboration of low-cost materials and equipment. International co-operation requested on exchange of experiences in curriculum design; production of teaching-learning materials and low-cost equipment.

Lebanon/Liban

00106
NAME OF INSTITUTION: Centre de Recherche et de Developpement Pédagogique (CRDP)
CONTACT: (Bureau de formation de maitres)
ADDRESS: Dekouané, Liban
TELEPHONE: (961) 482096/98
GEOGRAPHICAL COVERAGE: national
CREATED: 1972; STAFF: TOTAL: 270; PROFESSIONALS: 250
UNESCO WORKING LANGUAGE(S): Arabic, English, French
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); out-of-school activities (science clubs); development of equipment; documentation services; science education for rural areas
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national, regional
DATA PROCESSING: HARDWARE: Honeywell Bull

00107
NAME OF INSTITUTION: Faculté des Sciences - Université Libanaise (UL/FSc)
CONTACT: Dr. Ragi Abou-Chacra, Dean of Faculty
ADDRESS: Administration Centrale - Place du Musée, Beyrouth
TELEPHONE: (961) 386816, 388010, 388011
TELEX/CABLE: 44602 LE
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: national
CREATED: 1960; STAFF: TOTAL: 800; PROFESSIONALS: 400
UNESCO WORKING LANGUAGE(S): Arabic, English, French
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; technology education; documentation services
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers; education policy planners; science teachers' associations
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: El-Bouhous El-Tarbaouyat
ORGANIZATION OF MEETINGS: national

Lesotho/Lesotho

00108
NAME OF INSTITUTION: Department of Science Education - National University of Lesotho (SCE-NUL)
CONTACT: Mr. P. Middleton, Head
ADDRESS: Roma 180
TELEPHONE: (266-64) 601 ext.270
TELEX/CABLE: 4303 UNITER LO
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: national
CREATED: 1978; STAFF: TOTAL: 7; PROFESSIONALS: 5
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; physics education; technology education; computer assisted science education (biology, chemistry, mathematics, physics); out-of-school activities (olympiads, science fairs); development of equipment; school-agriculture; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); education policy planners; science teachers' associations
PUBLICATIONS: BOOKS: Booklets on teaching
PERIODICALS AND/OR NEWSLETTERS: LSMTA-Newsletter; Boichoriso Botichereng (Newsletter for primary teachers)
DATA PROCESSING: HARDWARE: Apple Macintosh SE20
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on agricultural education.

Liberia/Liberia

00109
NAME OF INSTITUTION: University of Liberia
CONTACT: Ms. Mary T. Bryant
ADDRESS: P.O. Box 9020, Monrovia
UNESCO WORKING LANGUAGE(S): English

Libyan Arab Jamahiriya, the/Jamahiriya arabe libyenne

00110
NAME OF INSTITUTION: General Secretariat for Education
ADDRESS: National Commission for Education, Science and Culture of the Libyan Arab Jamahiriya, P.O. Box 1091, Tripoli
UNESCO WORKING LANGUAGE(S): Arabic, English

Luxembourg/Luxembourg

00111
NAME OF INSTITUTION: Service d'Innovation et de Recherche Pédagogiques du Ministère de l'Education National et de la Jeunesse (SIRP)
CONTACT: Mr. Francis Hierzig, Project Officer
ADDRESS: 6, boulevard Royal, L-2926 Luxembourg
TELEPHONE: (352) 46802.536 /545 /507
TELEX/CABLE: 3311 menj lu
GEOGRAPHICAL COVERAGE: national
CREATED: 1979; STAFF: TOTAL: 4; PROFESSIONALS: 3
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): German
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; curriculum development/ design (biology, chemistry, mathematics, physics); development of teaching-learning materials (teachers' guides); evaluation activities (programme); out-of-school activities (science fairs); development of equipment; documentation services; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Courrier "Innovation et recherche Pédagogiques"
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: IBM PS2/60
SOFTWARE: Lotus 1-2-3, dBase III+, Word 4, EPC, SPSS-PC

Madagascar/Madagascar

00112
NAME OF INSTITUTION: Service de la Logistique Pédagogique
CONTACT: M.Rajarinera
ADDRESS: B.P. 4192, Antanarivo 101
TELEPHONE: (261-2) 27689
UNESCO WORKING LANGUAGE(S): French

Malawi/Malawi

00113
NAME OF INSTITUTION: Ministry of Education and Culture
CONTACT: Mr. R.H. Manondo
ADDRESS: Private Bag 328, Lilongwe 3
TELEPHONE: (265) 733922
UNESCO WORKING LANGUAGE(S): English

Malaysia/Malaisie

00114
NAME OF INSTITUTION: Teacher Education Division - Ministry of Education (TEDMOE)
CONTACT: Ms. Kalthum Mohamed, Principal Assistant Director
ADDRESS: Paras 4 & 5, Block F, Pusat Bandar Damansara, 50604 Kuala Lumpur
TELEPHONE: (60-3) 2553100
TELEX/CABLE: PENDIDIKAN
GEOGRAPHICAL COVERAGE: national
CREATED: 1922; STAFF: TOTAL: 150; PROFESSIONALS: 75
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Malay
ACTIVITIES UNDERTAKEN: integrated science education; mathematics education; nutrition education; technology education; development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (formative, summative); documentation services; school-agriculture; school-industry; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Berita BPG (TED News); Journal BPG (TED (Journal)
ORGANIZATION OF MEETINGS: local, national, regional

Maldives/Maldives

00115
NAME OF INSTITUTION: Educational Development Centre (EDC)
CONTACT: Mr. Mohamed Latheef, Director
ADDRESS: Male 20-05, Sosumagu
TELEPHONE: (960) 323242, 322485
GEOGRAPHICAL COVERAGE: national
CREATED: 1976; STAFF: TOTAL: 54; PROFESSIONALS: 21
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Dhivehi
ACTIVITIES UNDERTAKEN: development of teaching-learning materials (audio-visual, teachers' guides)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service)

Mali/Mali

00116
NAME OF INSTITUTION: Institute Pédagogique National du Mali (IPN)
CONTACT: Mr. Mahamadou Sissoko, Director General
TELEPHONE: (223) 224262
TELEX/CABLE: MINIEDUC 2602 MJ
GEOGRAPHICAL COVERAGE: national
CREATED: 1963; STAFF: TOTAL: 183; PROFESSIONALS: 146
UNESCO WORKING LANGUAGE(S): French

ACTIVITIES UNDERTAKEN: curriculum development/design (biology, chemistry, mathematics, physics); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (programme); school-agriculture; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: teachers (pre-service)
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Contact
DATA PROCESSING: HARDWARE: Micro PC/XT
SOFTWARE: SPSS, WordPerfect, WordStar
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for preparation of textbooks and teachers' guides; creation of documentation centre.
International co-operation is requested for: exchange of information concerning curricula and training methods in science and technology education; in-service teacher training.

Malta/Malte

00117
NAME OF INSTITUTION: Department of Education
CONTACT: Mr. Chas. Xerri
ADDRESS: Valleta, Lascaris
TELEPHONE: (356) 21401
UNESCO WORKING LANGUAGE(S): English

00118
NAME OF INSTITUTION: University of Malta Faculty of Education
CONTACT: Mr. Chas. Xerri
ADDRESS: University of Malta, Msida
TELEPHONE: (356) 36451
UNESCO WORKING LANGUAGE(S): English

Mauritius/Maurice

00119
NAME OF INSTITUTION: The Mauritius Institute of Education (MIE)
CONTACT: Dr. Devi Venkatasamy, Assistant Director
ADDRESS: Réduit, Moka
TELEPHONE: (230) 541031/33
TYPE OF INSTITUTION: advisory to ministry
GEOGRAPHICAL COVERAGE: national
CREATED: 1973; STAFF: TOTAL: 242; PROFESSIONALS: 74
UNESCO WORKING LANGUAGE(S): English, French
LINKS TO BROADER SYSTEM OR NETWORK: NEIDA
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); evaluation activities (programme, training); out-of-school activities (popularisation of science and technology); development of equipment; school-agriculture; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Le Journal de la MIE
ORGANIZATION OF MEETINGS: national, international, regional
DATA PROCESSING: HARDWARE: IBM compatible
SOFTWARE: Lotus 123
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on teacher training by means of video and correspondance.

Mexico/Mexique

00120
NAME OF INSTITUTION: Centro de Divulgación de la Ciencia en el Estado de Morelos
CONTACT: Ing. Guillermo Fernández de la Garza
ADDRESS: Apartado Postal 475, Cuernavaca, Morelos
TELEPHONE: (52-731) 123213
UNESCO WORKING LANGUAGE(S): Spanish

00121
NAME OF INSTITUTION: Secretaría de Educación Pública
CONTACT: Mr. Arturo Velásquez Jiménez
ADDRESS: Brasil 31, 2º piso, Mexico 1, DF
TELEPHONE: (52-5) 657.2606, 757.2632
UNESCO WORKING LANGUAGE(S): Spanish

Mongolia/Mongolie

00122
NAME OF INSTITUTION: Pedagogical Institute
CONTACT: Mr N. Jadamba, Rector
ADDRESS: Khovd Pedagogical Institute, Khovd
TELEPHONE: (976) 2500
GEOGRAPHICAL COVERAGE: national
CREATED: 1979; STAFF: TOTAL: 607; PROFESSIONALS: 80
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Mongolian
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; computer assisted science education (mathematics, physics); software development (mathematics, physics); development of teaching-learning materials (teachers' guides); out-of-school activities (olympiads, popularisation of science and technology); science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students
PUBLICATIONS: BOOKS: Transactions of Khovd Pedagogical Institute
ORGANIZATION OF MEETINGS: local, national

00123
NAME OF INSTITUTION: State Pedagogical Institute (SPI MPR)
CONTACT: Mr. O. Otgonsuren, Rector
ADDRESS: Ulaanbaatar 11, SPI, Ulan Bator
TELEPHONE: (976) 22705
GEOGRAPHICAL COVERAGE: national
CREATED: 1951; STAFF: TOTAL: 400; PROFESSIONALS: 200
UNESCO WORKING LANGUAGE(S): English, Russian
ADDITIONAL WORKING LANGUAGE(S): Mongolian
ACTIVITIES UNDERTAKEN: biology education; integrated science education; mathematics education; physics education; technology education; computer assisted science education (mathematics, physics, technology); software development (mathematics, physics, technology); curriculum development/ design (mathematics); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (test); out-of-school activities (olympiads, science clubs); development of equipment; documentation services; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: computer assisted instruction for mathematics, physics, chemistry, biology, foreign languages, mongolian language; computing courses for all teachers.

Morocco/Maroc

00124
NAME OF INSTITUTION: Faculté des Sciences (Université Mohamed V)
CONTACT: Mr. M. Khalil Driss, Doyen
TELEPHONE: (212-7) 71834-5
UNESCO WORKING LANGUAGE(S): Arabic, French

00125
NAME OF INSTITUTION: Ministère de l' Education Nationale (MEN)
CONTACT: Mr. M'Hamed Fellous, Head, Chief of Technical Education Division
ADDRESS: Avenue de la Victoire Bab Rouah, Rabat
TELEPHONE: (212-7) 72144, 72034, 71976
TELEX/CABLE: 326 24 M / 310 16 M
GEOGRAPHICAL COVERAGE: national
CREATED: 1956
UNESCO WORKING LANGUAGE(S): Arabic, French

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (technology); curriculum development/design (integrated science, mathematics, technology); development of teaching-learning materials (teachers' guides); evaluation activities (test); out-of-school activities (olympiads, science clubs, science fairs); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; management concerned with professional and private education
PUBLICATIONS: DOCUMENTS
BOOKS: Textbooks
ORGANIZATION OF MEETINGS: national, international, regional
DATA PROCESSING: HARDWARE: IBM compatible
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on design of teaching-learning materials for primary and secondary research.
International co-operation requested for: exchange of information; study visits; creation of an international data base in science and technology education.

Mozambique/Mozambique

00126
NAME OF INSTITUTION: Faculty of Education (Eduardo Mondlane University)
CONTACT: The Dean
ADDRESS: C.P. 257, Maputo
UNESCO WORKING LANGUAGE(S): English

00127
NAME OF INSTITUTION: Instituto Superior Pedagógico (ISP)
CONTACT: Mr. Mário Suarte Balói
ADDRESS: Avenida Comandante Augusto Cardoso No. 135
TELEPHONE: (268) 26941, 34061
GEOGRAPHICAL COVERAGE: national
CREATED: 1986
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): German, Portuguese
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; out-of-school activities (olympiads, popularisation of science and technology); documentation services; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (pre-service); teachers (in-service); education policy planners

Nepal/Nepal

00128
NAME OF INSTITUTION: Science Education Development Centre (SEDEC)
CONTACT: Mr. Toran B. Karki, Director
ADDRESS: Min Bhawan, Baneshor, Post Box 3652, Kathmandu
TELEPHONE: (977) 224632, 222826
TELEX/CABLE: SEDEC
GEOGRAPHICAL COVERAGE: national
CREATED: 1983; STAFF: TOTAL: 108; PROFESSIONALS: 35
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Nepali
LINKS TO BROADER SYSTEM OR NETWORK: MOEC
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; technology education; evaluation activities (training); out-of-school activities (popularisation of science and technology, science contests, science fairs); development of equipment; documentation services; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; education policy planners
PUBLICATIONS: DOCUMENTS
  BOOKS: Science Training Manual: 1, 2, 3.
  PERIODICALS AND/OR NEWSLETTERS: Sedec Newsletter
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: Macintosh SE, Mac Plus II
  SOFTWARE: MS-Basic, Excel Folder, Thunder Scanning, Stat Work, File Folder, MS Word 3.01
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for organization of science clubs and museums; symposia and meetings on science; festival and cultural activities.

Netherlands, the/Pays-Bas, les

00129
NAME OF INSTITUTION: National Institute for Curriculum Development (SLO)
CONTACT: Dr. Kerst Th. Boersma
ADDRESS: P.O. Box 2041, 7500 CA Enschede
TELEPHONE: (31-53) 840840
TELEX/CABLE: 72244
GEOGRAPHICAL COVERAGE: national
CREATED: 1976; STAFF: TOTAL: 300; PROFESSIONALS: 120
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Dutch

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; computer assisted science education (biology, mathematics, physics, technology); software development (biology, mathematics, physics, technology); curriculum development/design (biology, chemistry, integrated science, mathematics, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); out-of-school activities (olympiads); training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: Wang, IBM

New Zealand/Nouvelle-Zélande

00130
NAME OF INSTITUTION: Department of Education
CONTACT: Dr. Beverley Bell
ADDRESS: P.O. Box 1379, Wellington
TELEPHONE: (64-4) 735499
TELEX/CABLE: 64 04 712106
GEOGRAPHICAL COVERAGE: national
CREATED: 1877; STAFF: TOTAL: 700; PROFESSIONALS: 200
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Maori
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (integrated science, mathematics); software development (mathematics); curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (programme, research); out-of-school activities (popularisation of science and technology, science fairs); school-agriculture; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Curriculum Review in Science
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: 3COM Network with IBM compatibles
SOFTWARE: SAS
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on syllabus; curriculum at lower secondary level; assessment of science.

Niger/Niger

00131
NAME OF INSTITUTION: Institut National de Documentation, de Recherche et d'Animation Pédagogiques (NDRAP)
CONTACT: Mr. Abdou Assane, Inspector
ADDRESS: BP 10184, Niamey
TELEPHONE: (227) 723553, 723554
GEOGRAPHICAL COVERAGE: national
CREATED: 1974; STAFF: TOTAL: 83; PROFESSIONALS: 65
UNESCO WORKING LANGUAGE(S): French
LINKS TO BROADER SYSTEM OR NETWORK: NEIDA
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, chemistry, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (teachers' guides); evaluation activities (curricular analysis, programme); out-of-school activities (popularisation of science and technology, science fairs); development of equipment; documentation services; school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service)
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Informations pédagogiques
ORGANIZATION OF MEETINGS: national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on teaching learning guides for primary and secondary education.

Nigeria/Nigeria

00132
NAME OF INSTITUTION: Institute of Education
CONTACT: Dr. S.T. Bajah
ADDRESS: University of Ibadan, Ibadan
TELEPHONE: (234-22) 400550 ext. 1888
UNESCO WORKING LANGUAGE(S): English

Norway/Norvège

00133
NAME OF INSTITUTION: Centre for Science Education
CONTACT: Dr. Doris Jorde
ADDRESS: University of Oslo, P.O.Box 1099, Blindern, 0316 Oslo 3
TELEPHONE: (47-2) 455070
GEOGRAPHICAL COVERAGE: national

CREATED: 1980; STAFF: TOTAL: 15; PROFESSIONALS: 14
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Norwegian
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; computer assisted science education (physics); software development (chemistry, physics); curriculum development/design (chemistry, integrated science); development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); evaluation activities (curricular analysis, research, test); out-of-school activities (popularisation of science and technology, science museums); science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: IBM compatibles
SOFTWARE: Lotus 1-2-3, Word Perfect, Foss

Oman/Oman

00134
NAME OF INSTITUTION: Curriculum Development Department
CONTACT: Mr. Ali Ben Mohsen Al Hafiz, Director
ADDRESS: MUSCAT P.O.B.(3), Oman
TELEPHONE: 601014
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; curriculum development/design (biology, chemistry, mathematics, physics); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (curricular analysis); training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); laboratory technicians
PUBLICATIONS: DOCUMENTS

Pakistan/Pakistan

00135
NAME OF INSTITUTION: Institute for Promotion of Science Education and Training (IPSET)
CONTACT: Dr. Mohamed Illyas
ADDRESS: Ministry of Education, Science and Technology Wing, Islamabad
TELEPHONE: (92-51) 820312
UNESCO WORKING LANGUAGE(S): Arabic, English

00136
NAME OF INSTITUTION: National Bureau of Curriculum and Textbook Development, Curriculum Wing
CONTACT: Joint Educational Adviser
ADDRESS: Sector H-9, Islamabad
TELEPHONE: (92-51) 856002, 856004
GEOGRAPHICAL COVERAGE: national
CREATED: 1972
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Urdu
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (teachers' guides); school-agriculture; school-industry; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); education policy planners
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on how to adapt national curricula of basic science subjects to international curricula.

00137
NAME OF INSTITUTION: National Education Equipment Centre (NEEC)
CONTACT: Mr. Muhammad Aslam Popalzai, Director
ADDRESS: Wahdat Colony, Code No. 54604, Lahore
TELEPHONE: (92-42) 851179, 857919
GEOGRAPHICAL COVERAGE: national
CREATED: 1964; STAFF: TOTAL: 68; PROFESSIONALS: 43
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Urdu
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (programme, test); out-of-school activities (popularisation of science and technology, science fairs); development of equipment; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers
PUBLICATIONS: DOCUMENTS
BOOKS: Catalogues for Science Equipment; Science Equipment Manual for Colleges; Teacher's Guide for Primary Teaching Kit; Laboratory Manual
ORGANIZATION OF MEETINGS: national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: production of primary teaching and lower-secondary kits in science and mathematics; teacher-training programmes in the repair and maintenance of locally developed equipment; preparation and printing of science equipment manuals and teachers' guides.

Panama/Panama

00138
NAME OF INSTITUTION: Universidad de Panamá (UNIPAN)
CONTACT: Dr. Deyanira Barnet, Professor
ADDRESS: Estafeta Universitaria, Panamá
TELEPHONE: (507) 239985
GEOGRAPHICAL COVERAGE: national
CREATED: 1935
UNESCO WORKING LANGUAGE(S): English, Spanish
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; evaluation activities (programme, test); out-of-school activities (olympiads, science fairs); science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: Apple IIe
SOFTWARE: APP-STAT
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on teacher-education, in-service programmes, cognitive development, research in biology, chemistry, mathematics and physics.
International co-operation requested for improving contents and methods of science teaching.

Papua New Guinea/Papouasie-Nouvelle-Guinée

00139
NAME OF INSTITUTION: Department of Education
CONTACT: Mr. M. Dudgeon
ADDRESS: National Institutions Division, P.O. Box 6997, Boroko, Port Moresby
TELEPHONE: (675) 245387
UNESCO WORKING LANGUAGE(S): English

00140
NAME OF INSTITUTION: University of Papua New Guinea (UPNG)
CONTACT: Prof. L. Hill, Dean
ADDRESS: P.O. Box 320; University P.O. N.C.D.
TELEPHONE: (675) 245387
TELEX/CABLE: NE 22366
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: national
CREATED: 1966; STAFF: TOTAL: 1100; PROFESSIONALS: 250
UNESCO WORKING LANGUAGE(S): English

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; computer assisted science education (biology, chemistry, physics); development of equipment; documentation services; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: PRIME 750, IBM XT/AT
SOFTWARE: Primos, Word, dBase
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on use of micro-computers; evaluation of student performance; curriculum development; popularisation of science.

Peru/Pérou

00141
NAME OF INSTITUTION: Instituto Nacional de Investigación y Desarrollo de la Educación. (INIDE)
CONTACT: Mr. José Cáceres Arribasplata, Professor in Physics
ADDRESS: Van de Velde No. 160 - San Borja, Lima
TELEPHONE: (51-14) 360706 ext. 31
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 70; PROFESSIONALS: 45
UNESCO WORKING LANGUAGE(S): English, Spanish
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (test); out-of-school activities (popularisation of science and technology, science fairs, science museums); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Cuadernos del PRONAMEC
ORGANIZATION OF MEETINGS: local, national, international

ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: design of low-cost laboratory equipment; recycling courses for natural science teachers; seminars for specialists in teaching natural sciences; natural science teacher training.
International co-operation requested on exchange of documents and publications; annual up-dating of directory; information on science and mathematics teaching.

Philippines, the/Philippines, les

00142
NAME OF INSTITUTION: UP-Institute for Science & Mathematics Education Development (UP-ISMED)
CONTACT: Dr. Porfirio Jesuitas, Director
ADDRESS: Vidal Tan Hall, Pardo de Tavera St, UP Diliman, Quezon City
TELEPHONE: (63-2) 993545
GEOGRAPHICAL COVERAGE: national
CREATED: 1964; STAFF: TOTAL: 100
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Pilipino
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; nutrition education; physics education; technology education; development of equipment; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: Elementary Science Series
PERIODICALS AND/OR NEWSLETTERS: Inquiry; UPISMED Newsletter
ORGANIZATION OF MEETINGS: regional

Poland/Pologne

00143
NAME OF INSTITUTION: Institut de Recherche Pédagogique
CONTACT: Dr. Hanna Bukowiecka
ADDRESS: 8, rue Górczewska, 01-180 Varsovie
TELEPHONE: (48-22) 320221
TELEX/CABLE: 813523
GEOGRAPHICAL COVERAGE: national
CREATED: 1948
UNESCO WORKING LANGUAGE(S): English, French
ACTIVITIES UNDERTAKEN: integrated science education; technology education; curriculum development/design (integrated science); evaluation activities (research); documentation services; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; researchers; education policy planners

PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Education
ORGANIZATION OF MEETINGS: national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Strategy of research in education; scientific dissemination and innovation.
International co-operation is requested for creation of a reserchers' group for theory and practice within the field of education at international level; science clubs; computer information network; publications.

Portugal/Portugal

00144
NAME OF INSTITUTION: Departamento de Educaçao da Faculdade de Ciências (DE-FC)
CONTACT: Dr. Mariana Prereira
ADDRESS: R. Ernesto de Vasconcelos; C1, 3, P-1700 Lisboa
TELEPHONE: (351-1) 7583141; FAX: 7597716
TELEX/CABLE: 65869 FCULIS P
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: regional
CREATED: 1983; STAFF: TOTAL: 40; PROFESSIONALS: 31
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): Portuguese
ACTIVITIES UNDERTAKEN: biology education; mathematics education; physics education; computer assisted science education (mathematics); software development (mathematics); evaluation activities (test); out-of-school activities (popularisation of science and technology); science and society; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); researchers
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Revista de Educaçao
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: IBM Compatible
SOFTWARE: dbase III, Filing Assistant
ADDITIONAL INFORMATION (including future projects and international co-operation):
Studies to be developed for introducing computers in schools; science curricula for lower-secondary school; sociology of education and science.
International co-operation requested for exchange of information concerning introduction of computers in schools; creation of science curricula for citizens of tomorrow.

00145
NAME OF INSTITUTION: Faculdade de Ciências e Tecnologia - Universidade Nova de Lisboa (FCT/UNL)
CONTACT: Mr. Joao Correia de Freitas, Researcher Teacher Trainer
ADDRESS: Quinta da Torre, 2825 Monte da Caparica
TELEPHONE: (351-1) 2954464 ext. 1704
TELEX/CABLE: 14542 FCTUNL P
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: national
CREATED: 1974; STAFF: TOTAL: 400; PROFESSIONALS: 400
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): Portuguese
LINKS TO BROADER SYSTEM OR NETWORK: EARN
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; mathematics education; physics education; technology education; computer assisted science education (biology, chemistry, mathematics, physics); software development (biology, chemistry, mathematics, physics); curriculum development/design (biology, chemistry, integrated science, mathematics, physics, technology); development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); evaluation activities (programme, test); out-of-school activities (science fairs, science museums); development of equipment; documentation services; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Interface, MINERVA's Newsletter
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: Apple Macintosh
SOFTWARE: Word processors, data base management systems, spreadsheets, image processors, desktop publishing, modeling systems
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: environmental education; national magazine on education and new information technologies; national electronic network of institutions involved in MINERVA project (National Project of Studying and Introducing New Information Technologies in Education).
International co-operation requested for: education in new information technologies; science education (physics, biology, mathematics); teacher training curricula and practice; research on education.

Qatar/Qatar

00146
NAME OF INSTITUTION: Faculty of Science
CONTACT: Prof. Mohamed Fathy Saoud, Dean, Faculty of Science
ADDRESS: University of Qatar, P.O.Box No. 2713, Doha
TELEPHONE: (974) 832222
GEOGRAPHICAL COVERAGE: national
CREATED: 1977; STAFF: TOTAL: 193; PROFESSIONALS: 92
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners; medical establishments
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Qatar University Science Bulletin
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: WANG (mini and micro), IBM (micro)
SOFTWARE: developed locally
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on how to introduce computer science in the faculty; how to use computers in education and how to connect the faculty to a local area network.
International co-operation requested to establish summer school programmes for the use of computers in education and for new trends in science education; re-evaluation of materials concerning physical science and computer simulation.

Republic of Korea, the/République de Corée

00147
NAME OF INSTITUTION: Korean Educational Development Institute (KEDI)
CONTACT: Dr. Suk-Min Chang, Director
ADDRESS: 92-6 Umyeon-Dong, Seocho-Gu, Seoul 137-140
TELEPHONE: (82-2) 137140
TELEX/CABLE: INSTKOREDI
GEOGRAPHICAL COVERAGE: national
CREATED: 1972; STAFF: TOTAL: 500; PROFESSIONALS: 144
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Korean
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (biology, chemistry, integrated science, mathematics, physics); development of teaching-learning materials (audio-visual, teachers' guides); documentation services; school-agriculture; school-industry; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Educational Development
DATA PROCESSING: HARDWARE: VAX 11/750
SOFTWARE: Library Circulation System, Broadcasting Materials Control System
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: materials in science education; programmes for scienctifically gifted students; computer-assisted instruction for science and mathematics education; research for innovation of technology education.
International co-operation requested on design and development of science and technology education equipment; curriculum development in science and technology education.

Romania/Roumanie

00148
NAME OF INSTITUTION: Université de Bucarest (UB)
CONTACT: Dr. Emil Paun, Professor
ADDRESS: Boulevard Gh. Gheorghiu - Déj no.64, Bucarest
TELEPHONE: (40-0) 145744
GEOGRAPHICAL COVERAGE: national
CREATED: 1864
UNESCO WORKING LANGUAGE(S): English, French, Russian
ACTIVITIES UNDERTAKEN: biology education; mathematics education; physics education; computer assisted science education (mathematics, physics); development of teaching-learning materials (teachers' guides); out-of-school activities (popularisation of science and technology, science clubs, science museums); development of equipment; documentation services; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: innovations in science education; interdisciplinarity; informatics in secondary schools; in- and pre-service science teacher training.

Rwanda/Rwanda

00149
NAME OF INSTITUTION: Faculté des Sciences (Université Nationale du Rwanda)
CONTACT: Doyen
ADDRESS: Université Nationale du Rwanda, B.P. 117, Butare
TELEPHONE: (250) 273
UNESCO WORKING LANGUAGE(S): French

Saint Christopher and Nevis/Saint-Christophe-et-Nevis

00150
NAME OF INSTITUTION: Teachers' College
CONTACT: Mr. Milton Whittaker, Coordinator
ADDRESS: P.O. Box 268, Basseterre
TELEPHONE: (1-809) 4-65 2508
GEOGRAPHICAL COVERAGE: national
CREATED: 1969; STAFF: TOTAL: 15
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, biotechnology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (curricular analysis); out-of-school activities (science fairs); school-agriculture; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS

Saint Lucia/Sainte-Lucie

00151
NAME OF INSTITUTION: Sir Arthur Lewis Community College (SALCC)
CONTACT: Ms. Sybil Harvey, Supervisor
ADDRESS: The Morne, Castries
TELEPHONE: (809-45) 25507
GEOGRAPHICAL COVERAGE: national
CREATED: 1989; STAFF: TOTAL: 85; PROFESSIONALS: 70
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (mathematics); out-of-school activities (science fairs); training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service)

Saint Vincent and the Grenadines/Saint-Vincent et Grenadines

00152
NAME OF INSTITUTION: Ministry of Education
CONTACT: Ms. Viola Thomas, Chief Education Officer
ADDRESS: Ministry of Education, Kingstown
TELEPHONE: (11-1-809) 71607
UNESCO WORKING LANGUAGE(S): English

San Marino/Saint-Marin

00153
NAME OF INSTITUTION: Coordinamento Verticale
CONTACT: Ms. Rina Melandri, Head
ADDRESS: Dicastero Publica Istruzione, Contrada Omerelli 47031
TELEPHONE: (39-541) 992813
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 10
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Italian
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; technicians
ORGANIZATION OF MEETINGS: national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for establishment of guidelines on educational planning from pre-school to secondary school.

Senegal/Sénégal

00154
NAME OF INSTITUTION: Direction de la Recherche et de la Formation Pratique
CONTACT: Mr. Alioune Watt, Assistant Director
ADDRESS: Ministère du Developpement social, Building administratif BP 4207, Dakar RP
GEOGRAPHICAL COVERAGE: national
CREATED: 1964; STAFF: TOTAL: 325; PROFESSIONALS: 296
UNESCO WORKING LANGUAGE(S): French
ADDITIONAL WORKING LANGUAGE(S): Diola, Mandingue, Pulaar, Wolof
ACTIVITIES UNDERTAKEN: integrated science education; nutrition education; technology education; development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); evaluation activities (formative, summative); documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national, regional

ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on preparation and adaptation of curricula; innovations in technology; integrated science and technology for rural areas.

00155
NAME OF INSTITUTION: Ecole Normale Superieure
CONTACT: Mr. Serigne Babacar Diagne
ADDRESS: Université de Dakar, Boulevard Habib Bourgiba, B.P. 5036, Dakar
TELEPHONE: (221) 212242
UNESCO WORKING LANGUAGE(S): French

Seychelles/Seychelles, les

00156
NAME OF INSTITUTION: National Institute of Pedagogy (NIP)
CONTACT: Mr. Gerald Vidot, Director
ADDRESS: P.O.Box 48, Victoria
TELEPHONE: (248) 24777
TELEX/CABLE: 2305 MINED SZ
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; curriculum development/design (biology, chemistry, integrated science, mathematics, physics); evaluation activities (test); school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Science Newsletter
ORGANIZATION OF MEETINGS: local
DATA PROCESSING: HARDWARE: Epson PC-XT/AT
SOFTWARE: dBaseIII+

Sierra Leone/Sierra Leone

00157
NAME OF INSTITUTION: Science Curriculum Development Centre (SCDC)
CONTACT: Dr. Daniel S.M. Kamanda, Director
ADDRESS: Njala University College; Private Mail Bag, Freetown
GEOGRAPHICAL COVERAGE: regional
CREATED: 1969; STAFF: TOTAL: 9; PROFESSIONALS: 5
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; physics education; technology education; curriculum development/design (biology, chemistry, physics); development of teaching-learning materials (teachers' guides); development of equipment; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service)
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on production of science equipment; out-of-school science and technology activities.

Somalia/Somalie

00158
NAME OF INSTITUTION: Somali National University
CONTACT: Mr. Said Osnan Fahia
ADDRESS: P.O. Box 15, Mogadishu
TELEPHONE: (252-1) 20535
UNESCO WORKING LANGUAGE(S): English

Spain/Espagne

00159
NAME OF INSTITUTION: Centro de Investigación y Documentación Educativa (CIDE)
CONTACT: Ms. Isabel Belmonte Martínez, Chief
ADDRESS: Ciudad Universitaria s/n, E-28040 Madrid
TELEPHONE: (34-1) 4496681, 2436463
GEOGRAPHICAL COVERAGE: national
CREATED: 1983; STAFF: TOTAL: 60; PROFESSIONALS: 30
UNESCO WORKING LANGUAGE(S): French, Spanish
LINKS TO BROADER SYSTEM OR NETWORK: EURIDICE, EUDISED
ACTIVITIES UNDERTAKEN: evaluation activities (curricular analysis, programme); documentation services
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: researchers; education policy planners
PUBLICATIONS: DOCUMENTS
BOOKS: Evaluación Externa de la Reforma de las Enseñanzas Medias; El sistema Educativo Español
PERIODICALS AND/OR NEWSLETTERS: Revista de Educación
ORGANIZATION OF MEETINGS: national, international
DATA PROCESSING: HARDWARE: PC-compatibles, UNIVAC-1100
SOFTWARE: B.D. Unidas, Crosstalk, Kortex
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on educational research and information.

Sri Lanka/Sri Lanka

00160
NAME OF INSTITUTION: National Institute of Education (NIE)
CONTACT: Mr. T.D.D. Gunasekara, Director
ADDRESS: Maharagama
TELEPHONE: (94) 550202
GEOGRAPHICAL COVERAGE: national
CREATED: 1986; STAFF: TOTAL: 400; PROFESSIONALS: 300
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Singhala, Tamil
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (audio-visual, pupil materials, teachers' guides)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: Microcomputers

Sudan/Soudan

00161
NAME OF INSTITUTION: Institute of Education Bakht Er-Ruda
CONTACT: Mr. Hussein Bayoumi El-Sayeh, Principal
ADDRESS: Duiem
TELEPHONE: (249) 2253
TELEX/CABLE: Ruda
GEOGRAPHICAL COVERAGE: national
CREATED: 1934; STAFF: TOTAL: 464; PROFESSIONALS: 200
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; curriculum development/ design (biology, chemistry, integrated science, mathematics, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); documentation services; school-agriculture; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners
PUBLICATIONS: DOCUMENTS
BOOKS: School Books
PERIODICALS AND/OR NEWSLETTERS: Bakht Er-Ruda Magazine; Researches Magazine
ORGANIZATION OF MEETINGS: local, national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on revising the school curriculum.

Suriname/Suriname

00162
NAME OF INSTITUTION: Documentation Centre / Ministry of Education and Community Development (MINOV DOCE)
CONTACT: Ms. Carla M. Lont, Head
ADDRESS: Dr. Samuel Kafiluddistraat 117-123, Paramaribo
TELEPHONE: (597) 98850
TELEX/CABLE: MINED 376
GEOGRAPHICAL COVERAGE: national
CREATED: 1980; STAFF: TOTAL: 4; PROFESSIONALS: 1
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): Dutch, German
ACTIVITIES UNDERTAKEN: physics education; development of teaching-learning materials (audio-visual); development of equipment; documentation services; school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS

Swaziland/Swaziland

00163
NAME OF INSTITUTION: National Curriculum Centre (NCC)
CONTACT: Mr. M.B. Mabuza, Director
ADDRESS: P.O. Box 73, Manzini
TELEPHONE: (268) 52106/7
GEOGRAPHICAL COVERAGE: national
CREATED: 1973; STAFF: TOTAL: 52; PROFESSIONALS: 24
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: ACO
ACTIVITIES UNDERTAKEN: integrated science education; mathematics education; nutrition education; evaluation activities (curricular analysis); documentation services; school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations; universities
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Curriculum News
ORGANIZATION OF MEETINGS: local, international

00164
NAME OF INSTITUTION: University of Swaziland (UNISWA)
CONTACT: Dean of Science
ADDRESS: P/B 4, Kwaluseni
TELEPHONE: (268) 84011
TELEX/CABLE: 2087 WD
TYPE OF INSTITUTION: university

30

GEOGRAPHICAL COVERAGE: national
CREATED: 1971; STAFF: TOTAL: 45; PROFESSIONALS: 30
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; physics education; development of equipment; science and society
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; researchers

Sweden/Suède

00165
NAME OF INSTITUTION: National Swedish Board of Education (NBSE)
CONTACT: Ms. Yngve Lindberg
ADDRESS: S-10642 Stockholm
TELEPHONE: (46-8) 783 2000
GEOGRAPHICAL COVERAGE: national
STAFF: TOTAL: 400; PROFESSIONALS: 100
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; out-of-school activities (olympiads)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (in-service); youth out-of-school; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: IBM PS/2
SOFTWARE: dBase III, Word Perfect

Switzerland/Suisse

00166
NAME OF INSTITUTION: Laboratoire de Didactique et d'Epistemologie des Sciences (LDES)
CONTACT: Prof. André Giordan
ADDRESS: Université II; 24, rue du Général Dufour, 1211 Genéve 4
TELEPHONE: (41-22) 209333 ext.2754
TELEX/CABLE: 423 301
TYPE OF INSTITUTION: advisory to ministry; research; university
GEOGRAPHICAL COVERAGE: Europe
CREATED: 1980; STAFF: TOTAL: 27; PROFESSIONALS: 25
UNESCO WORKING LANGUAGE(S): English, French, Spanish
ADDITIONAL WORKING LANGUAGE(S): German, Italian

ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; nutrition education; physics education; technology education; curriculum development/design (biology, chemistry, physics); development of teaching-learning materials (teachers' guides); evaluation activities (formative, summative); out-of-school activities (popularisation of science and technology, science museums); development of equipment; documentation services; school-agriculture; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
DATA PROCESSING: HARDWARE: Macintosh
SOFTWARE: 4th Dimension

Syria/Syrie

00167
NAME OF INSTITUTION: Ministère de l'Education - Direction des programmes et des recherches
CONTACT: Director
ADDRESS: Place Chahbandar, Damas
GEOGRAPHICAL COVERAGE: national
UNESCO WORKING LANGUAGE(S): Arabic, French
ACTIVITIES UNDERTAKEN: development of teaching-learning materials (audio-visual); evaluation activities (test); out-of-school activities (popularisation of science and technology); development of equipment; school-agriculture; training activities
PUBLICATIONS: BOOKS: Textbooks and guides
PERIODICALS AND/OR NEWSLETTERS: Revue de l'enseignant arabe; Bulletins à l'intention des professeurs
ORGANIZATION OF MEETINGS: national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: rural education, practical work in general education; computer sciences in school curricula. International co-operation requested for exchange of information and experts; participation in international meetings in the field of science and technology education.

Thailand/Thailande

00168
NAME OF INSTITUTION: The Institute for the Promotion of Teaching Science and Technology (IPST)
CONTACT: Ms. Yupa Tanticharoen, Director
ADDRESS: 924 Sukhumvit Road, Bangkok 10110
TELEPHONE: (66-2) 3924021
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: national

CREATED: 1972; STAFF: TOTAL: 230
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Thai
LINKS TO BROADER SYSTEM OR NETWORK: ACEID
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; computer assisted science education (mathematics, physics); development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (curricular analysis); out-of-school activities (science fairs); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: IPST Journal (in Thai)
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: IBM-PC/AT
SOFTWARE: Own software

Togo/Togo

00169
NAME OF INSTITUTION: Direction de la Formation Permanente de l'Action et de la Recherche Pédagogiques (DIFOP)
CONTACT: Mr. Kondé Gnom-Samya, Director
ADDRESS: B.P. 1306, Lome
TELEPHONE: (228) 213894
GEOGRAPHICAL COVERAGE: national
CREATED: 1979; STAFF: TOTAL: 89; PROFESSIONALS: 89
UNESCO WORKING LANGUAGE(S): French
LINKS TO BROADER SYSTEM OR NETWORK: NEIDA
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (teachers' guides); development of equipment; documentation services; school-agriculture; school-industry; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Lien - Cours par Correspondance
ORGANIZATION OF MEETINGS: national, regional

ADDITIONAL INFORMATION (including future projects and international co-operation):
International co-operation requested for reviewing educational system, programmes and their incorporation to every day life.

Tonga/Tonga

00170
NAME OF INSTITUTION: Curriculum Development Unit (CDU)
CONTACT: Mr. Colin Lutu, Senior Education Officer
ADDRESS: Ministry of Education; P.O.Box 61, Nukualofa
TELEPHONE: (676) 23511 ext. 2
TELEX/CABLE: TONGA ED
GEOGRAPHICAL COVERAGE: national
CREATED: 1977; STAFF: TOTAL: 26; PROFESSIONALS: 23
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Tongan
ACTIVITIES UNDERTAKEN: integrated science education; mathematics education; nutrition education; curriculum development/ design (integrated science, mathematics, nutrition/health); development of teaching-learning materials (pupil materials, teachers' guides); school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); science teachers' associations

Tunisia/Tunisie

00171
NAME OF INSTITUTION: Association Jeunes-Science de Tunis (AJST)
CONTACT: Mr. Abdelhamid Fekih, Secretary-General
ADDRESS: 105, avenue de la Liberte; (Code Postal 1002), Tunis
TELEPHONE: (216-1) 281689
TYPE OF INSTITUTION: advisory to ministry
GEOGRAPHICAL COVERAGE: national
CREATED: 1974
UNESCO WORKING LANGUAGE(S): Arabic, French
LINKS TO BROADER SYSTEM OR NETWORK: ICC
ACTIVITIES UNDERTAKEN: out-of-school activities (science clubs)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: youth out-of-school
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Bulletin de liaison
ADDITIONAL INFORMATION (including future projects and international co-operation):
Organization of an international youth forum in science and technology.
International co-operation requested on exchange of information with other out-of-school organizations and/or institutions.

00172
NAME OF INSTITUTION: Ecole normale supérieure de l'enseignement technique (ENSET)
CONTACT: Prof. Ahmed El Borgi
ADDRESS: 5, rue Taha Husseine, Tunis
TELEPHONE: (216-1) 493046
GEOGRAPHICAL COVERAGE: national

CREATED: 1973; STAFF: TOTAL: 120; PROFESSIONALS: 100
UNESCO WORKING LANGUAGE(S): Arabic, French
LINKS TO BROADER SYSTEM OR NETWORK: ALECSO
ACTIVITIES UNDERTAKEN: chemistry education; mathematics education; physics education; technology education; computer assisted science education (chemistry, physics, technology); development of teaching-learning materials (audio-visual, teachers' guides); development of equipment; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (pre-service); teachers (in-service)
ORGANIZATION OF MEETINGS: national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed in science and technology education for lower-secondary level; preparation of curricula; in-service teaching; adaptation of teaching aids; preparation of textbooks for all levels. International co-operation is requested for design and production of low-cost materials for all educational levels.

00173
NAME OF INSTITUTION: Institut National des Sciences de l'Education
CONTACT: Mr. Belgacem Alioui
ADDRESS: 17, rue d'Irak, 1002 Tunis
UNESCO WORKING LANGUAGE(S): Arabic, French

Turkey/Turquie

00174
NAME OF INSTITUTION: Board of Education (Wuksek Ogretim Kurum)
CONTACT: Dr. Mustesar Yardimicisı Insanzeral
ADDRESS: Bakanliklar, Ankara
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Turkish

00175
NAME OF INSTITUTION: General Directorate of Apprenticeship and Adult Education (MECSB)
CONTACT: Mr. Ahmet Erdocan, General Director
ADDRESS: Teknikokullar, Ankara
TELEPHONE: (90-4) 2236974
TELEX/CABLE: 2136718
GEOGRAPHICAL COVERAGE: national
CREATED: 1960; STAFF: TOTAL: 114; PROFESSIONALS: 69
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Turkish
LINKS TO BROADER SYSTEM OR NETWORK: MECSB
ACTIVITIES UNDERTAKEN: mathematics education; nutrition education; technology education; school-agriculture; science education for rural areas
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners

PUBLICATIONS: DOCUMENTS
BOOKS: Adult Education in Turkey, Activities of General Directorate of Apprenticeship and Adult Education, Literacy Campaign in: Turkey
PERIODICALS AND/OR NEWSLETTERS: Adult Education
ORGANIZATION OF MEETINGS: national, international

00176
NAME OF INSTITUTION: Technical and Vocational Education Research and Development (METARGEM)
CONTACT: Dr. Mustafa Balci, Director
ADDRESS: Ziya Gökalp Caddesi No:21 Kat:7, 06420 Kizilay / Ankara
TELEPHONE: (90-4) 1337418, 1311958
GEOGRAPHICAL COVERAGE: national
CREATED: 1987; STAFF: TOTAL: 10; PROFESSIONALS: 5
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): German, Turkish
ACTIVITIES UNDERTAKEN: development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (test); out-of-school activities (popularisation of science and technology, science fairs); documentation services; school-industry; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; post-secondary students; teachers (in-service); technicians; researchers; education policy planners; science teachers' associations
ORGANIZATION OF MEETINGS: national, international
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on design, technical publications and educational technology.

U.S.A./Etats-Unis d'Amerique

00177
NAME OF INSTITUTION: International Clearinghouse for the Advancement of Science Teaching (ICAST)
CONTACT: Dr. David J. Lockard, Director
ADDRESS: Benjamin Building, University of Maryland, College Park, Maryland 20742
TELEPHONE: (1-301) 4544028, 4542024, 4541533
GEOGRAPHICAL COVERAGE: worldwide
CREATED: 1962; STAFF: TOTAL: 7; PROFESSIONALS: 7
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, chemistry, integrated science, mathematics, physics); development of teaching-learning materials (teachers' guides); evaluation activities (curricular analysis); out-of-school activities (olympiads, science fairs); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations

PUBLICATIONS: DOCUMENTS
BOOKS: The International Clearinghouse Reports (Biology, Chemistry and Physics)

ORGANIZATION OF MEETINGS: local, national, international

DATA PROCESSING: HARDWARE. Apple and Mainframe
SOFTWARE: Apple and Apple-related

ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: establishment of an electronic computerized communication network for science, mathematics and technical education; collection of all science, mathematics and technical education curriculum materials; improvement of existing data bases. International co-operation requested for closer ties with other computerized communication networks and with curriculum development groups.

00178
NAME OF INSTITUTION: Lawrence Hall of Science (LHS)
CONTACT: Ms. Marjorie Gardner, Director
ADDRESS: University of California, Berkeley, CA 94720
TELEPHONE: (1-415) 6424193
TELEX/CABLE: TWX9103667114 UC Berk Berk; MAILBOX: - LHS@GARNET.BERKELEY.EDU
TYPE OF INSTITUTION: research; university
GEOGRAPHICAL COVERAGE: national
CREATED: 1968; STAFF: TOTAL: 300; PROFESSIONALS: 120
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: NSTA, ECS, AAAS, ICE.
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; technology education; software development (mathematics); curriculum development/design (chemistry, nutrition/health); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (curricular analysis, programme, test); out-of-school activities (popularisation of science and technology, science fairs, science museums); development of equipment; documentation services; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; families
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: local, national, international

DATA PROCESSING: HARDWARE: IBM-PC's, Apple II, Macintosh and Hewlett Packard
SOFTWARE: Excel, Word, File, Lotus 1-2-3, dBase, 4th Dimension
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on public understanding of science; school programming; curriculum development; teacher education; research.

U.S.S.R./U.R.S.S.

00179
NAME OF INSTITUTION: Institut de l'Informatique et des Techniques de l'Ordinateur
CONTACT: I.M.Bobko, Director
ADDRESS: Primorskaya 22, Novosibirsk
TELEPHONE: (7-383) 2450108, 2450085
GEOGRAPHICAL COVERAGE: national
CREATED: 1985; STAFF: TOTAL: 120; PROFESSIONALS: 60
UNESCO WORKING LANGUAGE(S): English, Russian
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; software development (biology, chemistry, integrated science, mathematics, physics); curriculum development/design (biology, mathematics, physics); development of teaching-learning materials (audio-visual, teachers' guides); out-of-school activities (olympiads, science clubs); school-industry; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); education policy planners
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national

00180
NAME OF INSTITUTION: Institut de l'equipment scolaire et des moyens techniques de l'enseignement de l'Academie des sciences pédagogiques
CONTACT: Mr. V.S. Lednev, Director
ADDRESS: Pogodinskaya 8, Moscow
TELEPHONE: (7-095) 2463590, 2148835
GEOGRAPHICAL COVERAGE: national
CREATED: 1960; STAFF: TOTAL: 150; PROFESSIONALS: 15
UNESCO WORKING LANGUAGE(S): English, French, Russian
ADDITIONAL WORKING LANGUAGE(S): German
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; computer assisted science education (mathematics, physics); software development (mathematics, physics); curriculum development/design (mathematics, technology); development of teaching-learning materials (audio-visual, teachers' guides); out-of-school activities (olympiads); school-industry; science education for rural areas; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
ORGANIZATION OF MEETINGS: national

00181
NAME OF INSTITUTION: Institut des Contenus et des Méthodes d'Enseignement (HUUCUMO)
CONTACT: Mr. V. Monakhov, Director
ADDRESS: Kosmonavtov 18-1, Moscow
TELEPHONE: (7-095) 2826242, 2461659
GEOGRAPHICAL COVERAGE: national
CREATED: 1944; STAFF: TOTAL: 297; PROFESSIONALS: 206
UNESCO WORKING LANGUAGE(S): English, French, Russian
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; development of teaching-learning materials (teachers' guides); out-of-school activities (olympiads, popularisation of science and technology)
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; researchers
PUBLICATIONS: DOCUMENTS
BOOKS: Manuals and Teachers' Guides
PERIODICALS AND/OR NEWSLETTERS: Informatics Newsletter
ORGANIZATION OF MEETINGS: local, national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on science education and computers.

Uganda/Ouganda

00182
NAME OF INSTITUTION: National Curriculum Development Centre (NCDC)
CONTACT: Mr. Ignatius Tabaro-Sinaruhamagaye, Science Specialist
ADDRESS: P.O. Box 7002, Kampala
TELEPHONE: (256) 259042
TELEX/CABLE: 61298 EDUCAE UGA
GEOGRAPHICAL COVERAGE: national
CREATED: 1973; STAFF: TOTAL: 60; PROFESSIONALS: 20
UNESCO WORKING LANGUAGE(S): English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (formative, summative); out-of-school activities (popularisation of science and technology, science clubs); development of equipment; school-agriculture; school-industry; science education for rural areas; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); technicians; youth out-of-school; researchers; education policy planners; science teachers' associations; vocational trainers
PUBLICATIONS: DOCUMENTS
BOOKS: Basic Primary Science Course for Uganda
ORGANIZATION OF MEETINGS: local, national
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on technology within general education; environmental eduation within integrated science; integrated science at lower school certificate level; production of textbooks in biology. International co-operation requested for low-cost equipment development and production; pilot project on computer science and literacy in schools.

Ukranian S.S.R./R.S.S. d'Ukraine

00183
NAME OF INSTITUTION: Kiev State Pedagogical Institute
CONTACT: Prof. N.I. Shkil, Rector
ADDRESS: 9, Porogova Street, 252030 Kiev
TELEPHONE: (71) 241108
UNESCO WORKING LANGUAGE(S): English, Russian

00184
NAME OF INSTITUTION: Research Institute of Pedagogics
CONTACT: Dr. N.D. Yarmachenko, Director
ADDRESS: Ministry of Education, 10 Lenin Street, 252030 Kiev
TELEPHONE: (71) 251066
UNESCO WORKING LANGUAGE(S): English, Russian

United Arab Emirates, the/Emirats arabes unis

00185
NAME OF INSTITUTION: Ministry of Education - Curriculum and Textbook Dept.
CONTACT: Mr. Khalifa M. Bakheet, Chairman
ADDRESS: P.O.Box 3962, Dubai
TELEPHONE: (971-4) 690901
GEOGRAPHICAL COVERAGE: national
CREATED: 1977; STAFF: TOTAL: 30; PROFESSIONALS: 10
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); out-of-school activities (popularisation of science and technology, science fairs, science museums); development of equipment; school-agriculture; science and society; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers; education policy planners; science teachers' associations
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for new curricula in physics, chemistry, biology with emphasis on solar energy and environmental problems. International co-operation requested to prepare science fairs.

00186
NAME OF INSTITUTION: United Arab Emirates University (UAE UNIV)
CONTACT: Dean School of Science
ADDRESS: P.O.BOx 15551, Faculty of Education, Al-Ain, Abu Dhabi
TELEPHONE: (971-3) 677700
GEOGRAPHICAL COVERAGE: national
CREATED: 1977
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; nutrition education; physics education; technology education; evaluation activities (research); school-agriculture; school-industry; science and society; science education for rural areas; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Different journals' and bulletins.
ORGANIZATION OF MEETINGS: local
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects in developing curricula and teaching methods for science and technology.

United Kingdom/Royaume-Uni

00187
NAME OF INSTITUTION: Centre for Educational Studies - King's College London (CES-KCL)
CONTACT: Mr. John May, Director
ADDRESS: 552 King's Road, London SW10 OUA
TELEPHONE: (44-1) 8365454; FAX: (44-1) 3523124
TYPE OF INSTITUTION: research; university
GEOGRAPHICAL COVERAGE: worldwide
CREATED: 1980; STAFF: TOTAL: 91; PROFESSIONALS: 64
UNESCO WORKING LANGUAGE(S): English, French, Spanish
LINKS TO BROADER SYSTEM OR NETWORK: ICASE

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (audio-visual, teachers' guides); evaluation activities (programme, research); out-of-school activities (popularisation of science and technology); school-industry; science education for rural areas; special science programmes for girls/women; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (in-service); researchers; science teachers' associations; curriculum developers
PUBLICATIONS: BOOKS: Science & Mathematics Course; Materials Produced by Nuffield Chelsea Curriculum Trust; C.A.L. Materials
ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: TTNC (Times), Laser Discs
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for: research into the understanding of science concepts with emphasis on school assessment and curriculum development; computer-assisted learning development work; 'open-ended' science teaching; research training programmes for science, mathematics, computing and technology.

00188
NAME OF INSTITUTION: Northern Ireland Science and Technology Regional Organisation (NISTRO)
CONTACT: Mr. R.G. McCune, Executive Officer
ADDRESS: University of Ulster, Jordanstown, Shore Road, Newtownabbey, Co. Antrim, Northern Ireland BT37 OQB
TELEPHONE: (44-232) 365131 ext.2682
TELEX/CABLE: Telex 747493 UU JORD
TYPE OF INSTITUTION: research
GEOGRAPHICAL COVERAGE: national
CREATED: 1984; STAFF: TOTAL: 2500; PROFESSIONALS: 1050
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: SATRO
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; curriculum development/design (integrated science, technology); out-of-school activities (popularisation of science and technology, science fairs); school-industry; science and society; special science programmes for girls/women
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); education policy planners; science teachers' associations
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: NISTRO News
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: TTNS Network

ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on science and technology education support for schools implementing new government curriculum policy.
International co-operation requested to exchange experience for open learning techniques in education concerning teaching and in-service teacher training.

00189
NAME OF INSTITUTION: School of Education
CONTACT: Prof. Iolo Wyn Williams
ADDRESS: University College of North Wales, Bangor, Gwynedd LL57 1DZ
TELEPHONE: (44-248) 351151
TYPE OF INSTITUTION: university
GEOGRAPHICAL COVERAGE: north Wales
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Welsh
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; development of teaching-learning materials (teachers' guides); school-industry; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service); researchers
ORGANIZATION OF MEETINGS: local
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed for information technology in science and technology education.
International co-operation requested for: science teaching in bilingual and multilingual contexts.

00190
NAME OF INSTITUTION: Scottish Curriculum Development Service (SCDS)
CONTACT: Mr. Donald C. Fraser, Director
ADDRESS: College of Education, Gardyne Road, GB - Dundee DD5 1NY
TELEPHONE: (44-382) 455053
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: Scotland
CREATED: 1970; STAFF: TOTAL: 25; PROFESSIONALS: 18
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: SCCC
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; physics education; technology education; curriculum development/design (biology, chemistry, mathematics, physics, technology); development of teaching-learning materials (audio-visual, pupil materials, teachers' guides); evaluation activities (formative, summative); out-of-school activities (science contests, science fairs); school-industry
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: secondary education pupils; teachers (in-service); education policy planners; science teachers' associations
PUBLICATIONS: DOCUMENTS
BOOKS: S.C.D.S

ORGANIZATION OF MEETINGS: local, national, international
DATA PROCESSING: HARDWARE: BBC Maston, A.S.T. Micros
SOFTWARE: Wordcraft, T.T.N.S.
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on pupil-teacher materials for upper-secondary schools in all science and technology disciplines.
International co-operation requested for the development of technology education.

United Republic of Tanzania/République-Unie de Tanzanie

00191
NAME OF INSTITUTION: Department of Educational Research and Curriculum Development
CONTACT: Mr. Abdulaziz A. Said, Director
ADDRESS: P.O.Box 3070, Zanzibar
TELEPHONE: (255) 31220, 32826
GEOGRAPHICAL COVERAGE: national
CREATED: 1982; STAFF: TOTAL: 95; PROFESSIONALS: 85
UNESCO WORKING LANGUAGE(S): English
ADDITIONAL WORKING LANGUAGE(S): Kiswahili
LINKS TO BROADER SYSTEM OR NETWORK: ESACC
ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (biology, chemistry, integrated science, mathematics, nutrition/health, physics, technology); development of teaching-learning materials (teachers' guides); school-agriculture; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service)
PUBLICATIONS: BOOKS: School textbooks
ORGANIZATION OF MEETINGS: local, international

00192
NAME OF INSTITUTION: Institute of Education
CONTACT: Mr. K.A. Hassan
ADDRESS: P.O. Box 35094, Dar Es Salaam
TELEPHONE: (255) 48135
UNESCO WORKING LANGUAGE(S): English

Uruguay/Uruguay

00193
NAME OF INSTITUTION: Comisión Nacional de la Unesco
CONTACT: Ing. Julio Ried
ADDRESS: Ministerio de Educación y Cultura, 8º piso, Reconquista 535, Montevideo
TELEPHONE: (598) 952631
UNESCO WORKING LANGUAGE(S): Spanish

Venezuela/Venezuela

00194
NAME OF INSTITUTION: Centro Nacional para el Mejoramiento de la Enseñanza de la Ciencia (CENAMEC)
CONTACT: Ms. Raquel Vásquez de Sansón, Director
ADDRESS: Edif.Sociedad Venezolana de Ciencias Naturales; Apartado 75055, Caracas 1070
TELEPHONE: (58-2) 229366, 229511, 229133
TYPE OF INSTITUTION: advisory to ministry; research
GEOGRAPHICAL COVERAGE: national
CREATED: 1973; STAFF: TOTAL: 73; PROFESSIONALS: 50
UNESCO WORKING LANGUAGE(S): English, Spanish
ACTIVITIES UNDERTAKEN: biology education; chemistry education; mathematics education; physics education; curriculum development/design (biology, chemistry, mathematics, physics); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (programme, test); out-of-school activities (olympiads, popularisation of science and technology, science clubs, science fairs); development of equipment; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); researchers
PUBLICATIONS: PERIODICALS AND/OR NEWSLETTERS: Revista CENAMEC
ORGANIZATION OF MEETINGS: national
DATA PROCESSING: HARDWARE: Epson
ADDITIONAL INFORMATION (including future projects and international co-operation):
Projects to be developed on design of science and mathematics curriculum for secondary schools; in-service teacher training; how some science and mathematics' concepts are taught in secondary school.

Viet Nam/Viet Nam

00195
NAME OF INSTITUTION: Institut Polytechnique de Ha-nôi (IPH)
CONTACT: Prof.Ha-Hoc-Trac , Rector
ADDRESS: rue Dai-Cô-Viêt, Ha-nôi
TELEPHONE: (84) 53746, 62104
CREATED: 1956; STAFF: TOTAL: 2100; PROFESSIONALS: 940
UNESCO WORKING LANGUAGE(S): English, French, Russian
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; technology education; curriculum development/design (mathematics, physics); development of teaching-learning materials (teachers' guides); out-of-school activities (olympiads, popularisation of science and technology, science clubs, science fairs); development of equipment; documentation services; school-agriculture; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations; researchers

PUBLICATIONS: DOCUMENTS
BOOKS: Chimie générale; Mathématique supérieure
PERIODICALS AND/OR NEWSLETTERS: Bulletin scientifique de l'Institut
ORGANIZATION OF MEETINGS: national, regional
DATA PROCESSING: HARDWARE: IBM-PC, Olivetti
SOFTWARE: Pascal, Fortran, Basic
ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed for: olympiads in mathematics; foreign languages; philosophy; general mechanics and physics.

International co-operation requested for co-operation with other institutions of the region in science and technology; organization of conferences; exchange of documentation; exchange of teachers and researchers.

Yemen/Yemen

00196
NAME OF INSTITUTION: Educational Research and Development Centre (ERDC)
CONTACT: Dr. Mohamed Serhan Al-Mekhlafi, Head
ADDRESS: P.O. Box 1999 Y.A.R., Sana'a
TELEPHONE: (967) 250477, 250566, 250568
GEOGRAPHICAL COVERAGE: national
CREATED: 1982; STAFF: TOTAL: 98; PROFESSIONALS: 52
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: technology education; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: Education Research & Studies Journal
ORGANIZATION OF MEETINGS: local, national
DATA PROCESSING: HARDWARE: Micro VAX II
SOFTWARE: SPSS

00197
NAME OF INSTITUTION: Faculty of Engineering
CONTACT: Dr. Tofik Sufian, Head
ADDRESS: Electrical Dept. - Sana'a University, Sana'a
GEOGRAPHICAL COVERAGE: national
CREATED: 1984; STAFF: TOTAL: 20; PROFESSIONALS: 20
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: technology education; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: post-secondary students

00198
NAME OF INSTITUTION: Ministry of Education (MOE)
CONTACT: Mr. Khaled Abedulkader Abedullah, Assistant Director
ADDRESS: Gamal St., Sana'a
TELEPHONE: (967-2) 274551
GEOGRAPHICAL COVERAGE: national
CREATED: 1962
UNESCO WORKING LANGUAGE(S): Arabic, English
ACTIVITIES UNDERTAKEN: biology education; technology education; school-agriculture
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service)
PUBLICATIONS: DOCUMENTS
DATA PROCESSING: HARDWARE: NCR PC-4 / PC-6
SOFTWARE: Enable, Lotus 1-2-3, SPSS

Yugoslavia/Yougoslavie

00199
NAME OF INSTITUTION: International Centre for Chemical Studies (ICCS)
CONTACT: Dr. Metka Vrtacnik, Professor
ADDRESS: Vegova 4, P.O. Box 18/1, 61001 Ljubljana
TELEPHONE: (38-61) 214326, 214374; FAX: (38-61) 226170
TELEX/CABLE: 31572 CHEMIN-YU
GEOGRAPHICAL COVERAGE: worldwide
CREATED: 1981; STAFF: TOTAL: 26; PROFESSIONALS: 20
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): German, Japanese, Serbo-croat
LINKS TO BROADER SYSTEM OR NETWORK: INCS
ACTIVITIES UNDERTAKEN: biotechnology education; chemistry education; integrated science education; technology education; computer assisted science education (chemistry); software development (chemistry); curriculum development/design (chemistry); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (research); out-of-school activities (science clubs, science contests); development of equipment; documentation services; school-agriculture; school-industry; science and society; training activities
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (pre-service); teachers (in-service); youth out-of-school; researchers; education policy planners; science teachers' associations; industry educational programmers
PUBLICATIONS: DOCUMENTS
BOOKS: Reports of Unesco Seminars
ORGANIZATION OF MEETINGS: international
DATA PROCESSING: HARDWARE: IBM-PC compatible
SOFTWARE: CDS/ISIS, dBase III+

00200
NAME OF INSTITUTION: Youth Research Centre Petnica (YRC PETNICA)
CONTACT: Mr. Vigor Majic, Director
ADDRESS: P.O.B. 40, 14000 Valjevo
TELEPHONE: (38-14) 35540
TELEX/CABLE: 10281 ISP VA YU
GEOGRAPHICAL COVERAGE: national
CREATED: 1982; STAFF: TOTAL: 30; PROFESSIONALS: 20
UNESCO WORKING LANGUAGE(S): English, French
ADDITIONAL WORKING LANGUAGE(S): Serbo-croat
ACTIVITIES UNDERTAKEN: biology education; biotechnology education; chemistry education; integrated science education; mathematics education; physics education; curriculum development/design (biology, chemistry, integrated science, mathematics, physics); development of teaching-learning materials (pupil materials, teachers' guides); out-of-school activities (popularisation of science and technology, science clubs); documentation services
GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; post-secondary students; teachers (in-service); youth out-of-school; researchers; education policy planners
PUBLICATIONS: DOCUMENTS
PERIODICALS AND/OR NEWSLETTERS: PETNICKE SVESKE - Instructive papers for students and teachers
DATA PROCESSING: HARDWARE: 8 personal computers (PC/XT and PC/AT)
SOFTWARE: Databases, languages, word processing, graphics.

Zambia/Zambie

00201
NAME OF INSTITUTION: Curriculum Development Centre
CONTACT: Mr. J. Michello
ADDRESS: P.O. Box 50092, Lusaka
TELEPHONE: (260-1) 215975
UNESCO WORKING LANGUAGE(S): English

00202
NAME OF INSTITUTION: Department of Education (University of Zambia)
CONTACT: Dr. Moses Mulopo, Science Education Co-ordinator
ADDRESS: University of Zambia, P.O. Box 33279, Lusaka
TELEPHONE: (260-1) 213221
UNESCO WORKING LANGUAGE(S): English

00203
NAME OF INSTITUTION: Zambia Association for Science Education (ZASE)
CONTACT: Mr. Thomas Varghese, Secretary General
ADDRESS: P.O. Box 50335, Lusaka
GEOGRAPHICAL COVERAGE: national
CREATED: 1966
UNESCO WORKING LANGUAGE(S): English
LINKS TO BROADER SYSTEM OR NETWORK: FASE, ICASE

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; nutrition education; physics education; technology education; out-of-school activities (science clubs, science fairs); development of equipment; school-industry; science and society; science education for rural areas; special science programmes for girls/women; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (in-service); technicians; youth out-of-school; education policy planners; science teachers' associations

PUBLICATIONS: BOOKS: Teaching Notes on grade 1-9 Basic Science
PERIODICALS AND/OR NEWSLETTERS: Zase Newsletter (journal); Science Education in Zambia (annual)

ORGANIZATION OF MEETINGS: national, international, regional

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed for: production of teaching/learning materials for basic science eduation; in-service seminars for teachers; conducting workshops for laboratory assistants to raise standards.

Zimbabwe/Zimbabwe

00204
NAME OF INSTITUTION: Curriculum Development Unit (CDU)
CONTACT: Mr. J.C. Vere, Education Officer
ADDRESS: Ministry of Education, P.O.Box 8022, Causeway, Harare
TELEPHONE: (263-4) 110
GEOGRAPHICAL COVERAGE: national
CREATED: 1980; STAFF: TOTAL: 70; PROFESSIONALS: 56
UNESCO WORKING LANGUAGE(S): English

ACTIVITIES UNDERTAKEN: biology education; chemistry education; integrated science education; mathematics education; nutrition education; physics education; curriculum development/design (biology, chemistry, integrated science, mathematics, physics); development of teaching-learning materials (pupil materials, teachers' guides); evaluation activities (curricular analysis, programme); development of equipment; school-agriculture; science education for rural areas; training activities

GROUPS COVERED BY INSTITUTION'S ACTIVITIES: primary education pupils; secondary education pupils; teachers (pre-service); teachers (in-service)

PUBLICATIONS: BOOKS: Zim-Sci Series; Mathematics for Zimbabwe Secondary Schools.

ORGANIZATION OF MEETINGS: local, national

ADDITIONAL INFORMATION (including future projects and international co-operation):

Projects to be developed on teaching learning materials; in-service teacher training courses.

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Pedagogical Academy (PAC) (00059)
Pedagogical Institute (PI) (00060)
Pedagogical Institute (00122)
Pedagogical Institute of Greece (PI) (00082)
Pontificia Universidad Católica Madre y Maestra (PUCMM) (00065)
Pusat Informatika, Depdikbud (PUSINFOT) (00091)
Research Group on Education (RGE) (00043)
Research Institute of Pedagogics (00184)
Rijksnormaalschool Hoger Pedagogisch Instituut (Ecole normale de l'état) (RHPI) (00035)
School of Education (00189)
Science Club (00100)
Science Curriculum Development Centre (SCDC) (00157)
Science Education Centre (SEC) (00068)
Science Education Development Centre (SEDEC) (00128)
Science Unit Ghana Education Service (CRDD) (00080)
Science and Mathematics Education Centre (SMEC) (00029)
Scottish Curriculum Development Service (SCDS) (00190)
Secretaría Ejecutiva del Convenio Andrés Bello (SECAB) (00054)
Secretaría de Educación Pública (00121)
Service d'Innovation et de Recherche Pédagogiques du Ministère de l'Education National et de la Jeunesse (SIRP) (00111)
Service de la Logistique Pédagogique (00112)
Sir Arthur Lewis Community College (SALCC) (00151)
Somali National University (00158)
State Pedagogical Institute (SPI MPR) (00123)
Supreme Council of Universities, Foreign Relations Coordinating Unit (00069)
Teacher Education Division - Ministry of Education (TEDMOE) (00114)
Teachers' College (00150)
Technical and Vocational Education Research and Development (METARGEM) (00176)
The College of Arts, Sciences and Technology (CAST) (00097)
The Institute for the Promotion of Teaching Science and Technology (IPST) (00168)
The Mauritius Institute of Education (MIE) (00119)
UP-Institute for Science & Mathematics Education Development (UP-ISMED) (00142)
United Arab Emirates University (UAE UNIV) (00185)
Universidad de Panamá (UNIPAN) (00138)
Universidad del Valle - Multitaller de Materiales Didácticos (UNIVALLE) (00055)
University College of Belize (UCB) (00037)
University of Liberia (00109)
University of Malta Faculty of Education (00118)
University of Papua New Guinea (UPNG) (00140)
University of Swaziland (UNISWA) (00164)
Université de Bucarest (UB) (00148)
Vereiniging van Leraars in de Wetenschappen (VELEWE) (00036)
Youth Research Centre Petnica (YRC PETNICA) (00200)
Youth Science Foundation (YSS) (00048)
Zambia Association for Science Education (ZASE) (00203)

Acronyms and abbreviations for INISTE members/ Liste des sigles et des abréviations des membres de l'INISTE

AABE - Asian Association for Biology Education (00003)
ACME - African Commission on Mathematics Education (00001)
AJST - Association Jeunes-Science de Tunis (00171)
AKH - National Board of Vocational Education (00074)
APPTEA - Asia-Pacific Physics Teachers and Educators Association (00002)
ASERA - Australian Science Education Research Association (00027)
ASPEN - Asian Physics Education Network (00004)
ASTA - Australian Science Teachers' Association (00028)
BDP - Biblioteca di Documentazione Pedagogica (00095)
BEPES - Bureau d'Etude des Programmes de l'Enseignement Secondaire (00045)
CASE - Canadian Association for Science Education (00047)
CAST - The College of Arts, Sciences and Technology (00097)
CAST/SYSC - Children and Youths' Science Centre, China Association for Science and Technology (00053)
CD - Curriculum Department (00071)
CDU - Curriculum Development Unit (Tonga) (00170)
CDU - Curriculum Development Unit (Zimbabwe) (00204)
CEDE - Centro Europeo dell'Educazione (00096)
CENADI - Centro Nacional de Didáctica (00057)
CENAMEC - Centro Nacional para el Mejoramiento de la Enseñanza de la Ciencia (00194)
CEPROINCT - Centro de Promoción e Investigación Científica y Tecnológica de Bolivia (00039)
CES-KCL - Centre for Educational Studies - King's College London (00187)
CIDE - Centro de Investigación y Documentación Educativa (00159)
CIFEC - Centre International Francophone pour l'Education en Chimie (00005)
CIMEC - Inter-disciplinary Center for the Improvement of Science Education (00041)
CLAF - Centro Latino Americano de Física (00006)
COMSEC - Commonwealth Secretariat (00007)
CONACYT - Consejo Nacional de Ciencia y Tecnología (00066)
CONET - Concejo Nacional de Educación Técnica (00026)
CPEIP - Centro de Perfeccionamiento Experimentación e Investigaciones Pedagógicas (00052)
CRDP - Centre de Recherche et de Developpement Pédagogique (00106)
DE-FC - Departamento de Educaçao da Faculdade de Ciências (00144)
DIFOP - Direction de la Formation Permanente de l'Action et de la Recherche Pédagogiques (00169)
DIKMENUM - Directorate of General Secondary Education (00090)
DLH - Chemistry Department - Royal Danish School of Educational Studies (00063)
DMSE - Department of Mathematics and Science Education (00040)
DPED - Direction de la Pédagogie (00062)
EDC - Educational Development Centre (00115)

ENSET - Ecole normale supérieure de l'enseignement technique (00056)
ENSET - Ecole normale supérieure de l'enseignement technique (00172)
ERDC - Educational Research and Development Centre (00196)
FASE - Forum of African Science Educators (00008)
FCT/UNL - Faculdade de Ciências e Tecnologia - Universidade Nova de Lisboa (00145)
FIT - Fiji Institute of Technology (00072)
GASERC - Gulf Arab States Educational Research Center (00010)
GDCET - General Directorate of Curricula and Educational Technology (00099)
GES - Groupe d'Etudes Scientifiques (00044)
GIREP - Groupe International de Recherche sur l'Enseignement de la Physique (00009)
HUUCUMO - Institut des Contenus et des Méthodes d'Enseignement (00181)
IACME - Inter-American Commission on Mathematical Education (00011)
IAST/NSRC - Ministry of Education Social Development and Culture (00085)
IAYSG - Irish Association of Youth Science Groups (00093)
ICASE - International Council of Associations for Science Education (00013)
ICAST - International Clearinghouse for the Advancement of Science Teaching (00177)
ICC - International Co-ordinating Committee for Presentation of Science and Development of Out-of-school Scientific Activities (00012)
ICCS - International Centre for Chemical Studies (00199)
ICMI - The International Commission on Mathematical Instruction (00022)
ICSU-CTS - International Council of Scientific Unions - Committee on Teaching of Science (00014)
INEM REY MALABO - Instituto Nacional de Enseñanza Media "Rey Malabo" (00070)
INFRE - Institut National pour la Formation et la Recherche en Education (00038)
INIDE - Instituto Nacional de Investigación y Desarrollo de la Educación. (00141)
INNOTECH - SEAMEO Regional Centre for Educational Innovation and Technology (00019)
INRP/DP1 - Institut National de Recherche Pédagogique - Département de Didactique (00075)
IOSTE - International Organization for Science and Technology Education (00015)
IP - Instituto Pedagogico (00049)
IPH - Institut Polytechnique de Ha-nôi (00195)
IPN - Institute for Science Education (00079)
IPN - Institut Pédagogique National (00084)
IPN - Institute Pédagogique National du Mali (00116)
IPSET - Institute for Promotion of Science Education and Training (00135)
IPST - The Institute for the Promotion of Teaching Science and Technology (00168)
IRSE - Institut de Recherche des Sciences de l'Education (00105)

ISP - Instituto Superior Pedagógico (00127)
ISTC - Israeli Science Teaching Centre (00094)
IUBS-CBE - International Union of Biological Sciences - Commission for Biological Education (00016)
IUPAC-CTC - International Unit on Pure and Applied Chemistry - Committee on Teaching of Chemistry (00018)
IUPAP-ICPE - International Union of Pure and Applied Physics-International Commission on Physics Education (00017)
KEDI - Korean Educational Development Institute (00147)
KIE - Kenya Institute of Education (00101)
KU - Kuwait University (00104)
LDES - Laboratoire de Didactique et d'Epistemologie des Sciences (00166)
LHS - Lawrence Hall of Science (00178)
MECD - Ministry of Education Curriculum Department (00031)
MECSB - General Directorate of Apprenticeship and Adult Education (00175)
MEN - Ministère de L'Education Nationale (00125)
METARGEM - Technical and Vocational Education Research and Development (00176)
MIE - The Mauritius Institute of Education (00119)
MINOV DOCE - Documentation Centre / Ministry of Education and Community Development (00162)
MOE - Ministry of Education (00198)
NBGE - National Board of General Education (00073)
NBSE - National Swedish Board of Education (00165)
NCC - National Curriculum Centre (00163)
NCDC - National Curriculum Development Centre (00182)
NCERT - Department of Education in Science and Mathematics (00089)
NDFC/IBECC - Núcleo de Documentaçao sobre a Formaçao Científica do IBECC (00042)
NDRAP - Institut National de Documentation, de Recherche et d'Animation Pédagogiques (00131)
NEEC - National Education Equipment Centre (00137)
NIE - National Institute of Education (00160)
NIEAER - National Institute of Educational Administration (00032)
NIER - National Institute for Educational Research of Japan (00098)
NIP - National Institute of Pedagogy (00156)
NISTRO - Northern Ireland Science and Technology Regional Organisation (00188)
OOK - National Centre for Educational Technology (00086)
OPI - Országos Pedagógiai Intézet (00087)
PAC - Pedagogical Academy (00059)
PI - Pedagogical Institute (00060)
PI - Pedagogical Institute of Greece (00082)
PUCMM - Pontificia Universidad Católica Madre y Maestra (00065)
PUSINFOT - Pusat Informatika, Depdikbud (00091)
RGE - Research Group on Education (00043)
RHPI - Rijksnormaalschool Hoger Pedagogisch Instituut (Ecole normale de l'état) (00035)
SALCC - Sir Arthur Lewis Community College (00151)
SCDC - Science Curriculum Development Centre (00157)
SCDS - Scottish Curriculum Development Service (00190)

SCE-NUL - Department of Science Education - National University of Lesotho (00108)
SEAMEO-RECSAM - South-East Asian Ministers of Education Organization - Regional Centre for Education in Science and Mathematics (00020)
SEAMS - South-East Asian Mathematical Society (00021)
SEC - Science Education Centre (00068)
SECAB - Secretaría Ejecutiva del Convenio Andrés Bello (00054)
SEDEC - Science Education Development Centre (00128)
SIRP - Service d'Innovation et de Recherche Pédagogiques du Ministère de l'Education National et de la Jeunesse (00111)
SLO - National Institute for Curriculum Development (00129)
SMEC - Science and Mathematics Education Centre (00029)
SPI MPR - State Pedagogical Institute (00123)
TEDMOE - Teacher Education Division - Ministry of Education (00114)
UACSJ - Union Arabe des Clubs Scientifiques pour Jeunes (00023)
UAE UNIV - United Arab Emirates University (00185)
UB - Université de Bucarest (00148)
UCB - University College of Belize (00037)
UL/FSc - Faculté des Sciences - Université Libanaise (00107)
UNIPAN - Universidad de Panamá (00138)
UNISWA - University of Swaziland (00164)
UNIVALLE - Universidad del Valle - Multitaller de Materiales Didácticos (00055)
UP-ISMED - UP-Institute for Science & Mathematics Education Development (00142)
UPNG - University of Papua New Guinea (00140)
VELEWE - Vereiniging van Leraars in de Wetenschappen (00036)
YRC PETNICA - Youth Research Centre Petnica (00200)
YSS - Youth Science Foundation (00048)
ZASE - Zambia Association for Science Education (00203)
ZPID - Academy of Pedagogical Science of the GDR, Centre of Pedagogical Information and Documentation (00077)

Other acronyms and abbreviations/
Sigles et abréviations additionnelles

AAAS - American Association for the Advancement of Science
ACCU - Asociación de Colegios y Universidades Católicos
ACEID - Asian Centre of Educational Innovation for Development
ACO - African Curriculum Organisation
ACS - American Chemical Society
ACU - Association Commonwealth Universities
ADRU - Asociación Dominicana de Rectores de Universidades
ALECSO - Arab Educational, Cultural and Scientific Organization
APEID - Asian Programme for Educational Innovation and Development
AUSC - Arab Union of Science Clubs
CAMESA - Centro Ajijic para el Mejoramiento de la Educación Superior en América
CCS - Chinese Chemical Society
CMS - Chinese Mathematical Society
CPS - Chinese Physics Society
CRDD/GES - Curriculum Research and Development Division of Ghana Education Service
CUIDES - Consejo Universitario Interamericano para el Desarrollo Económico y Social
ESACO - Eastern and Southern Africa Curriculum Organisation
EUDISED - European Documentation and Information System for Education
EURIDICE - Education Information Network in the European Community
FASTS - Federation of Australian Scientific and Technological Societies
FIUC - Federación Interamericana de Universidades Católicas
GULERPE - Grupo Universitario Latinoamericano de Estudio para la Reforma y Perfeccionamiento de la Educación
IAUP - Asociación Internacional de Presidentes de Universidades
IBEDOC - Intenational Bureau of Education Documents
ICE - Institute for Chemical Education
ICSU - International Council of Scientific Unions
IEA - International Association for the Evaluation of Educational Achievement
IMU - International Mathematical Union
INCE - International Network for Chemical Education
INCS - International Network for Chemical Studies
INEDIC - Instituto Educativo para el Desarrollo de la Inteligencia y la Cultura
ISMED - Institute for Science and Mathematics Education
IUBS - International Union of Biological Sciences
MEMS - Ministère des Enseignements Moyens et Supérieur
MILSET - International Movement for Leisure Activities in Science and Technology
MOEC - Ministry of Education and Culture
NEIDA - Network of Educational Innovation for Development in Africa
NSTA - National Science Teachers Association
ODUCAL - Organización de Universidades Católicas de América Latina
OECD - Organisation for Economic Co-operation and Development
RAC - Red Académica Chilena

REDUC - Red de Documentación en Educación para América Latina y el Caribe
RENIB - Red Educativa Nacional de Información Bibliográfica
SATRO - Science and Technology Regional Organization
SCCC - Scottish Consulting Council on the Curriculum
SEAMEO - Southeast Asian Ministers of Education Organization
SINICYT - Sistema Nacional de Información Científica y Tecnológica
SINIE - Sistema Nacional de Informática Educacional
UDUAL - Unión de Universidades de América Latina
UNICA - Asociación de Universidades e Instituciones de Investigación del Caribe
YEE - Youth and Environment Europe

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Cross, Danièle (00005)
Cáceres Arribasplata, José (00141)
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Whittaker, Milton (00150)
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Yarmachenko, N.D. (00184)
Zokoe, David (00050)

Appendix/Appendice

QUESTIONNAIRE

1. Name of Institution/organization : ______________________________

Acronym: ____________

Address: ______________________________

____

Country: ______________________________

Telephone: (   ) ______________________________
country and area codes

telex/telegramme: ____________________

Liaison person with INISTE:
Name: ______________________________
Title: ______________________________

2. Type of institution/organization :

☐ Governmental

☐ Non-governmental

☐ Other (please specify): ____________

Geographical coverage: ______________________________

Size of staff: ___ total ___ Professionals

Year of establishment: ☐

Working languages: ____________ ____________

____________ ____________

____________ ____________

Attachment to broader system or network ☐ Yes ☐ No

If yes please give name and acronym: ______________________________

3. Activities Currently undertaken (Please tick):

☐ biology education

☐ chemistry education

☐ physics education

☐ integrated science education

☐ mathematics education

☐ technology education

☐ nutrition/health education

☐ biotechnology education

☐ computer-assisted science education: microcomputer and: ____________________
fill in any subject(s) from left hand column

☐ preparation of microcomputer software (please specify): ____________________
fill in any subject(s) from left hand column

☐ other activities with microcomputers (please specify): ____________________

☐ curriculum development/design: ____________________
fill in any subject(s) from left hand column

☐ preparation of teaching-learning materials ____________________
please specify: teachers' guides, audio-visual materials (types)

☐ training activities

☐ development of science equipment

☐ science and society

☐ school-agriculture based activities

☐ school-industry based activities

☐ science education for rural areas

☐ evaluation activities
type(s): ____________________

☐ special programme in science education for girls & women

☐ documentation services

(Continued)

☐ out-of-school science and technology activities (please specify: ________________________________

science fairs, clubs, olympiads, science museums popularization of science and technology.)

☐ Other(s): please specify priority activities/subjects for next 3-4 years:

4. Groups affected by your educational activities (please tick):

☐ primary education pupils

☐ secondary education students

☐ post-secondary students

☐ teachers pre-service

☐ teachers in-service

☐ technicians

☐ youth out-of-school

☐ researchers

☐ education policy planners

☐ others please specify: ________________

☐ science teachers' association

5. Publications

☐ books if series, give title, please ________________________________

☐ documents

☐ periodicals and newsletters - give title, please ________________________________

e. Meetings

☐ organization of meetings
(please specify if local,
national or international): ____________________

7. Data Processing and retrieval (please tick)

☐ manual ☐ computerized ☐ partly computerized

If computerized please indicate:
Hardware used ____________________

Software used ____________________

Storage media : please specify:
(traditional shelving of publications, microfilms, tapes, disks, microfiches)

____

☐ Electronic mailbox: Telephone number: ____________________

[Network Name (for interlinks x 400) ____________________
[
☐ Messagerie service[Software Name ____________________
[
[User's identification: ____________________

8. Any additional information (including suggestions for international co-operation in science and technology education):

____

9. Name of respondent: ____________________

Position: ____________________

Place: ____________________ Date: ____________________ Signature: ____________________

QUESTIONNAIRE

1. Nom de l'institution/organisation: ______________________________

Sigle: __________

Adresse: ______________________________

____

Pays: ______________________________

Téléphone: (-   ) ______________________________
indicatifs pays et région

Télex/télégramme: __________

Nom de la personne en liaison avec l'INISTE: ______________________________

Titre: ______________________________

2. Type d'institution/organisation:

☐ Gouvernementale

☐ Non-gouvernementale

☐ Autre (Veuillez préciser): ____________________

Zones géographiques couvertes: ______________________________

Effectifs du service: ____ total ____ Professionnels

Année de création: __________

Langues de travail: __________ __________

__________ __________

__________ __________

Appartenance à un système ou réseau ☐ Oui ☐ Non

Si oui, veuillez donner le nom complet et le sigle: ______________________________

3. Domaines d'activité (veuillez cocher):

☐ enseignement de la biologie

☐ enseignement de la chimie

☐ enseignement de la physique

☐ enseignement intégré des sciences

☐ enseignement des mathématiques

☐ enseignement de la technologie

☐ enseignement de la nutrition et de la santé

☐ enseignement de la biotechnologie

☐ informatique ______________________
appliquée à l'éducation:
le micro-ordinateur et ______________________
veuillez ajouter une ou plusieurs matières de la colonne de gauche

☐ élaboration de ______________________
logiciels pour
micro-ordinateurs: ______________________
veuillez ajouter une ou plusieurs matières de la colonne de gauche

☐ d'autres activités ______________________
avec des
micro-ordinateurs: ______________________
veuillez préciser:*une ou plusieurs matières de la colonne de gauche*

☐ Conception et ______________________
élaboration de
programmes: ______________________
veuillez ajouter une ou plusieurs matières de la colonne de gauche

☐ préparation de
matériel d'enseignement
veuillez préciser: ____________ ______________________
guides pour enseignants, matériel audio-visuel (types)

☐ activités de formation

☐ élaboration de matériel scientifique scolaire

☐ science et société

☐ activités scolaires en rapport avec l'agriculture

☐ activités scolaires en rapport avec l'industrie

☐ enseignement scientifique rural

☐ activités d'évaluation
Type(s) ______________________

☐ programme spécial d'enseignement scientifique pour les jeunes filles et les femmes

☐ services de documentation

(Suite)

☐ activités scientifiques et technologiques extrascolaires (veuillez préciser: *foires, clubs scientifiques, musées scientifiques, olympiades, vulgarisation scientifique et technologique)* ____________________

☐ Autre(s) activité(s):
veuillez préciser vos priorités (activités, projets) pour les 3-4 années à venir:

4. Groupes concernés par vos activités d'enseignement (veuillez cocher):

☐ élèves de l'enseignement primaire

☐ élèves de l'enseignement secondaire

☐ étudiants

☐ enseignants en formation

☐ enseignants en exercice

☐ techniciens

☐ jeunes participant aux activités extrascolaires

☐ chercheurs

☐ planificateurs de l'éducation

☐ autre(s)
veuillez préciser: ____________________

☐ associations d'enseignants de sciences

5. Publications

☐ livres

Veuillez donner titre(s) ____________________
de la/des serie(s)
le cas échéant: ____________________

☐ documents

☐ périodiques et bulletins Veuillez donner titre(s): ____________________

6. Réunions

☐ organisation de réunions ____________________
(veuillez préciser: *niveau national, régional, international)*

7. Traitement et récupération de données (veuillez cocher)

( ) manuel ( ) par ordinateur ( ) partiellement automatisé

En cas de traitement informatisé, veuillez préciser:

Matériel utilisé ______________________________

Logiciels utilisé ______________________________

Stockage des données (collection de publications sur rayonnages, microfilms, bandes ou disques magnétiques, microfiches, etc.)

____

( ) Boîte aux lettres électronique: numéro de téléphone: ______________________________

:nom du réseau (pour l'interconnexion x 400): ______________________________

( ) Messagerie électronique: :nom du logiciel ______________________________

:identification de l'utilisateur: ______________________________

8. Information complémentaire (y compris suggestions pour une coopération internationale dans le domaine de l'enseignement des sciences et de la technologie

9. Nom de la personne ayant rempli le questionnaire:

____

Titre: ______________________________

Lieu: Date: Signature:

______________ ______________ ______________________________